

BOOK NO. 5

SET NO. _____

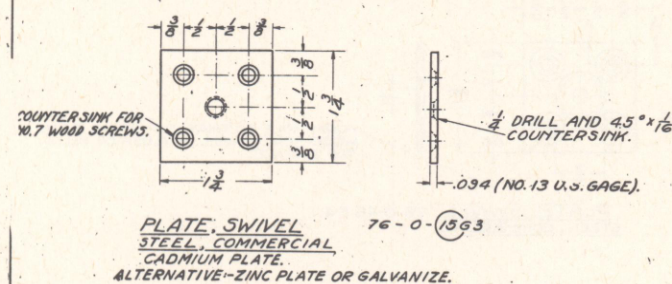
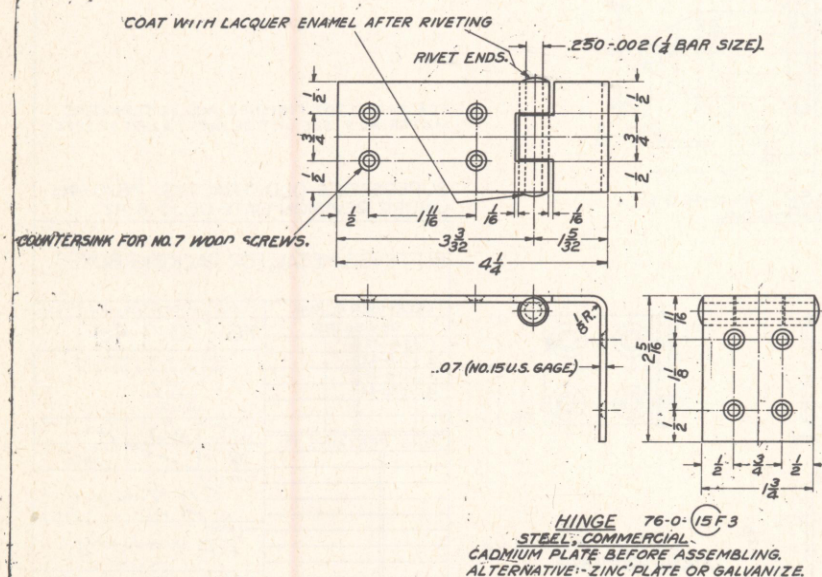
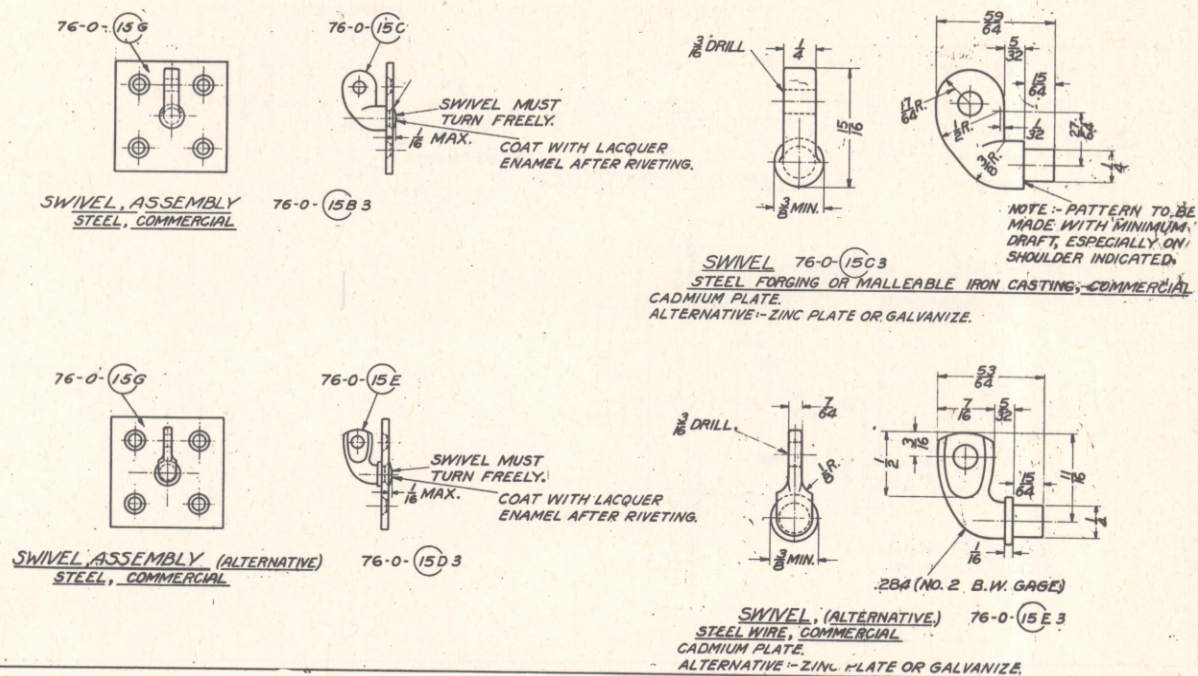
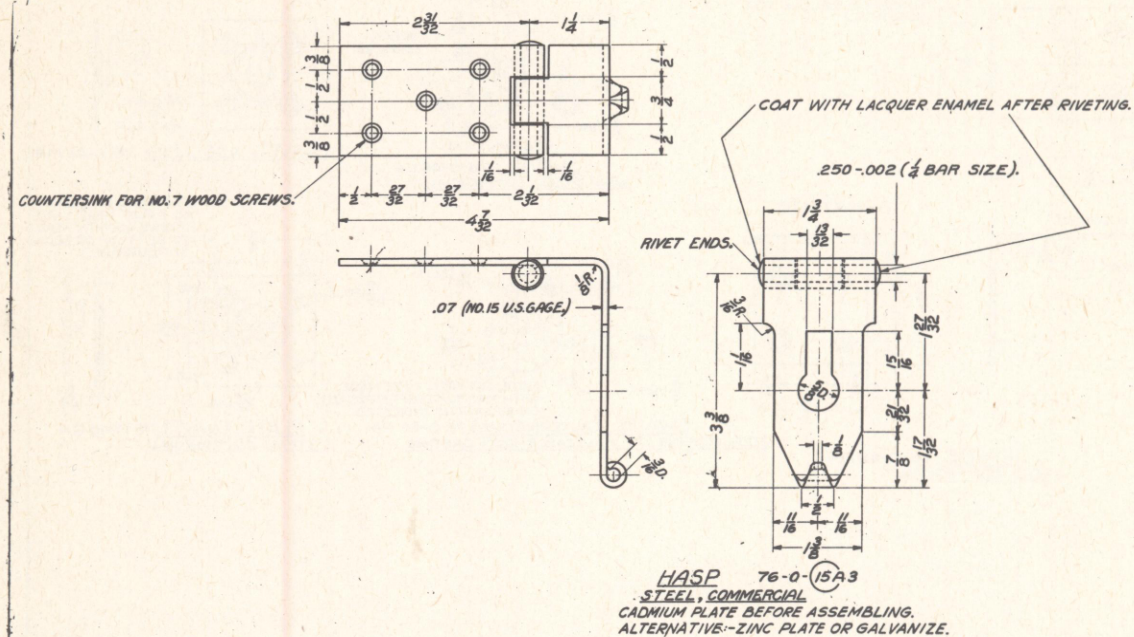
STUDY GUIDE

ORDNANCE

AMMUNITION DRAWINGS

76-0-15 TO 76-40-10

TO BE USED BY AMMUNITION INSPECTORS SCHOOL, SAVANNA ORDNANCE DEPOT



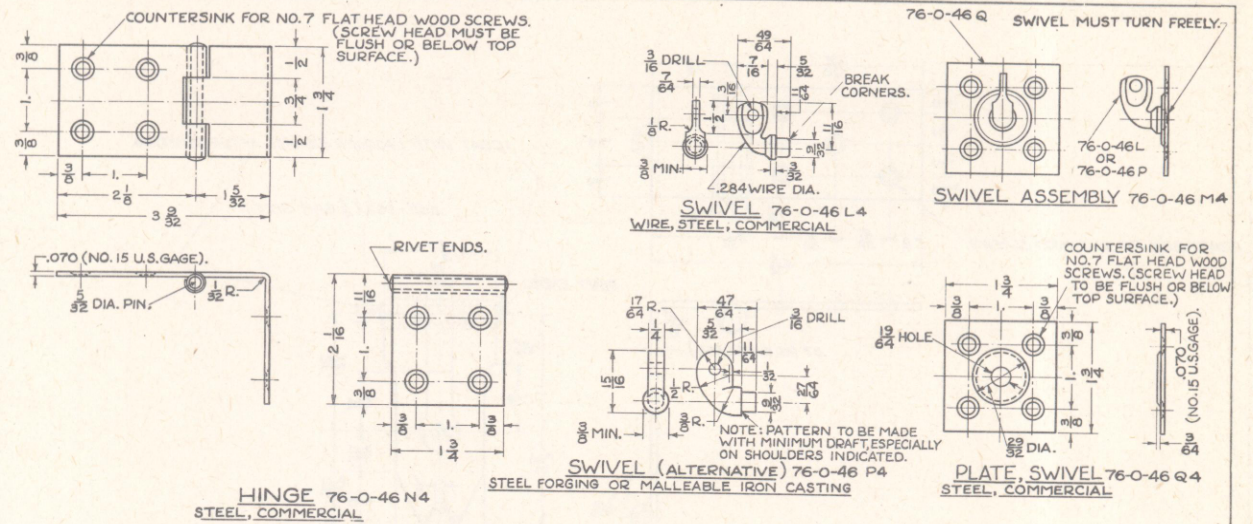
NOTE: SLIGHT VARIATIONS IN DIMENSIONS ARE PERMISSIBLE.

SUPERSEDES OLD TRACING 76-0-15 UNDER REVISION DATE OF FEBRUARY 25, 1930.

FITTINGS, METAL, FOR PACKING BOXES

APRIL 19, 1918.		CLASS	DIVISION	DRAWING FILE
REVISIONS		76	0	15
1	7-1-18			
2	2-25-30			
3	4-9-40			
4	12-18-41			
		SYMBOL		
		DESIGNER	TRACER	INSP.
		CON	CON	CON
		CHECKER	CHECKER	CHIEF DES.
		F.S.	V.L.M.	BO.
		SUBMITTED		
		DRO. PERTAINS TO		
		EXAMINED		
		ORDNANCE STANDARDS		
		76-0-15		
		APPROVED		
		D.		

SCALE, INCHES $\frac{1}{4}$ = 1"



RIVET, SWIVEL 76-O-46 D4
STEEL OR IRON, OVAL HEAD RIVET, COMMERCIAL
1/4 DIA. X 1/4 LONG.

76-O-46 E

76-O-46 F

PEEN.
SWIVEL MUST
MOVE FREELY
AFTER ASSEMBLING.

SWIVEL ASSEMBLY 76-O-46 C4

A

1 3/4

3/8 1/2 1/2 3/8

m/10

N

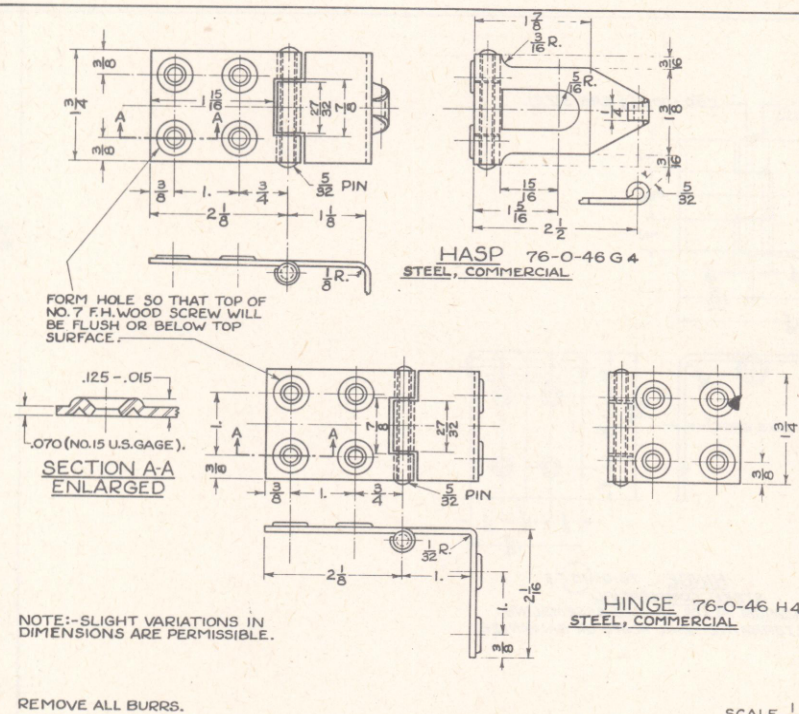
N

m/10

3/8

FORM HOLE SO THAT TOP OF NO. 7 F.H.
WOOD SCREW WILL BE FLUSH OR BELOW
TOP SURFACE.

PLATE, SWIVEL 76-O-46 E4
STEEL, COMMERCIAL



FOR PROTECTIVE FINISHES AND ALTERNATIVE MATERIALS SEE LIST OF PARTS & LIST OF SPEC'S.

SUPERSEDES OLD TRACING 76-0-46
UNDER REVISION DATE OF 10-8-42.

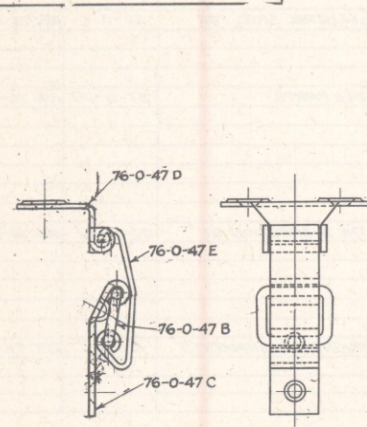
FITTINGS, METAL, FOR PACKING BOXES.

DECEMBER 4, 1941						CLASS		DIVISION		DRAWING		FILE	
REVISONS						76		0		46			
1	5-5-42					TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED. DECIMAL ± FRACTIONAL ± ANGULAR ±							
2	7-8-42												
3	10-8-42												
4	10-10-44												
DRG. PERTAINS TO						DTD MAN. TRAILER <i>Cat ENGINEER</i> H.T.L. D.C.S. <i>J. L. WOODBERRY</i> <i>W.P.</i> <i>W.D.</i> <i>S.F. GILLIGAN</i> SUBMITTED: <i>C.W. Gallagher</i> <i>P. J. Gillig</i> MAJ., ORD. DEPT. U.S.A.							
						EXAMINED: <i>D. L. Woodberry</i> MAJ., ORD. DEPT. U.S.A. APPROVED BY ORDER OF THE CHIEF OF ORDNANCE <i>B. B. White</i> COL., ORG. DEPT. U.S.A.							
						76-46A							
D						ORDNAN				U.S.A.			

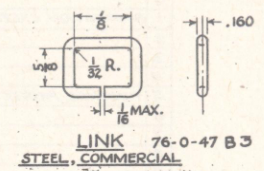
SCALE, $\frac{1}{1}$, $\frac{2}{1}$

HEAT TREATMENT AND FINAL FINISH

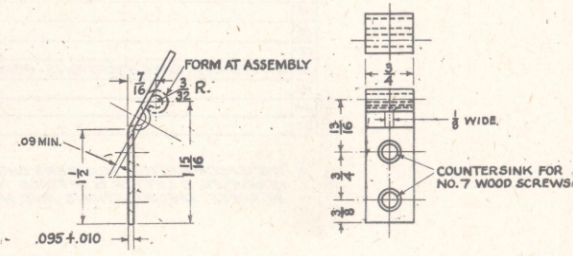
PHYSICAL PROPERTIES	
Y.P.	
T.S.	
EL. 2	
RED.	
BR.	
ROCK.	



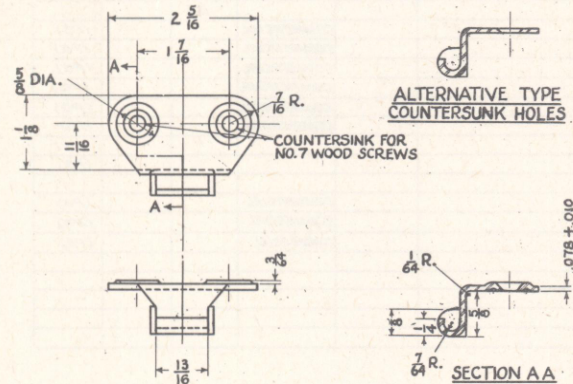
ASSEMBLY 76-0-47 A3



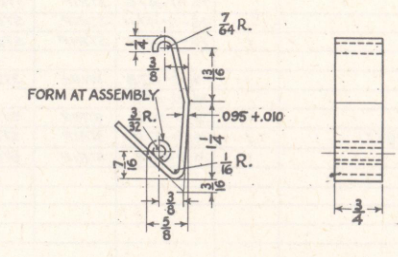
LINK 76-0-47 B3
STEEL, COMMERCIAL



ANCHOR, PIVOTED LEVER, 76-0-47 C3
STEEL, COMMERCIAL



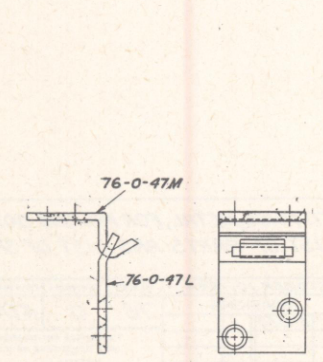
CLASP, HOOK, 76-0-47 D3
STEEL, COMMERCIAL



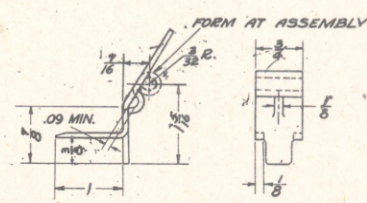
LEVER, PIVOTED 76-0-47 E3
STEEL, COMMERCIAL

REMOVE ALL BURRS

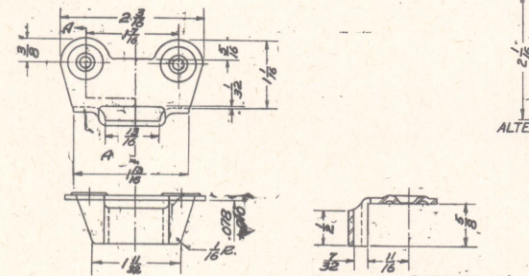
NOTE: (2) WHEN THESE FITTINGS ARE USED, PREDRILLED $\frac{1}{16}$ DIA. APPROX. HOLES OR MECHANICAL MEANS OF PRESSING PRONGS THROUGH WOOD ARE REQUIRED.



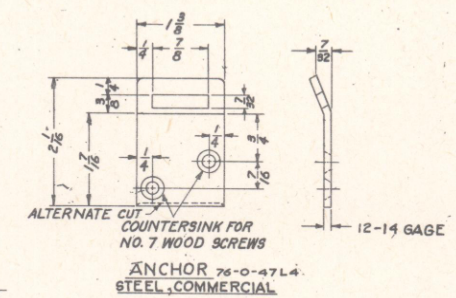
ASSEMBLY HINGE 76-0-47 K4



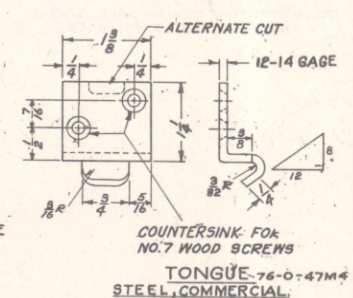
ANCHOR, PIVOTED LEVER, (ALTERNATIVE) 76-0-47 F3 (a)
FOR OTHER INFORMATION SEE 76-0-47 C



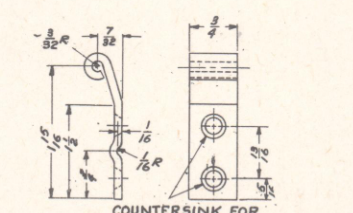
CLASP, HOOK, (ALTERNATIVE) 76-0-47 G3
FOR OTHER INFORMATION SEE 76-0-47 D



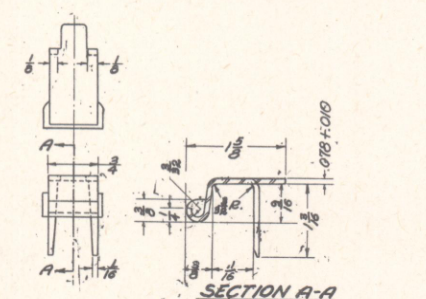
ANCHOR 76-0-47 L4
STEEL, COMMERCIAL



TONGUE 76-0-47 M4
STEEL, COMMERCIAL



ANCHOR, PIVOTED LEVER (ALTERNATIVE) 76-0-47 H3 (a)
STEEL, COMMERCIAL



CLASP, HOOK, (ALTERNATIVE) 76-0-47 H3 (b)

FOR PROTECTIVE FINISHES SEE LIST OF PARTS AND LIST OF SPECS.

FITTINGS, METAL, FOR PACKING BOXES, ETC.			
JULY 17, 1942	CLASS	DIVISION	DRAWING FILE
REVISIONS	76	0	47
1 1-4-43			
2 1-22-44			
3 10-10-44			
4 5-12-50			
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED			
DECIMAL 2			
FRACTIONAL 2			
ANGULAR 2			
DRG. PERTAINS TO			
SUBMITTED BY			
EXAMINED BY			
APPROVED BY ORDN. DEPT. U.S.A.			
76-0-47A			
SCALE			
ORDNANCE DEPT. U.S.A.			

NOTE: SLIGHT VARIATIONS IN DIMENSIONS ARE PERMISSIBLE.

SUPERSEDES PIF-6 WITH CHANGE MAY 12, 1950.

LIST OF PARTS										
LINE NO.	NAME OF PART	NUMBER REQ'D PER COMPONENT	PIECEMARK	MATERIAL			SPECIFICATION NUMBER	APPROXIMATE UNIT WEIGHT (POUNDS)	APPROXIMATE WT. OF RAW STOCK PER PART OR ASSEMBLY	REMARKS
				SIZE OR FORM	KIND	GRADE				
1	ASSEMBLY		76-0-47A					.25		
2	ANCHOR, PIVOTED LEVER	1	76-0-47C	STRIP	STEEL		COMMERCIAL			(PQ.)
3	ANCHOR, PIVOTED, LEVER (ALT.)		76-0-47F	STRIP	STEEL		COMMERCIAL			(PQ.)
4	CLASP, HOOK	1	76-0-47D	STRIP	STEEL		COMMERCIAL			(PQ.)
5	CLASP, HOOK (ALT.)		76-0-47G	STRIP	STEEL		COMMERCIAL			(PQ.)
6	CLASP, HOOK (ALT.)		76-0-47H	STRIP	STEEL		COMMERCIAL			(PQ.)
7	LEVER, PIVOTED	1	76-0-47E	STRIP	STEEL		COMMERCIAL			(PQ.)
8										
9	LINK	1	76-0-47B	WIRE	STEEL					(PQ.)
10	ASSEMBLY, HINGE		76-0-47K							
11	ANCHOR	1	76-0-47L	STRIP	STEEL		COMMERCIAL			(PQ.)
12	ANCHOR, PIVOTED LEVER (ALT.)	1	76-0-47N	STRIP	STEEL		COMMERCIAL			(PQ.)
13	TONGUE	1	76-0-47M	STRIP	STEEL		COMMERCIAL			(PQ.)
14										
15										
16										
17										
18										

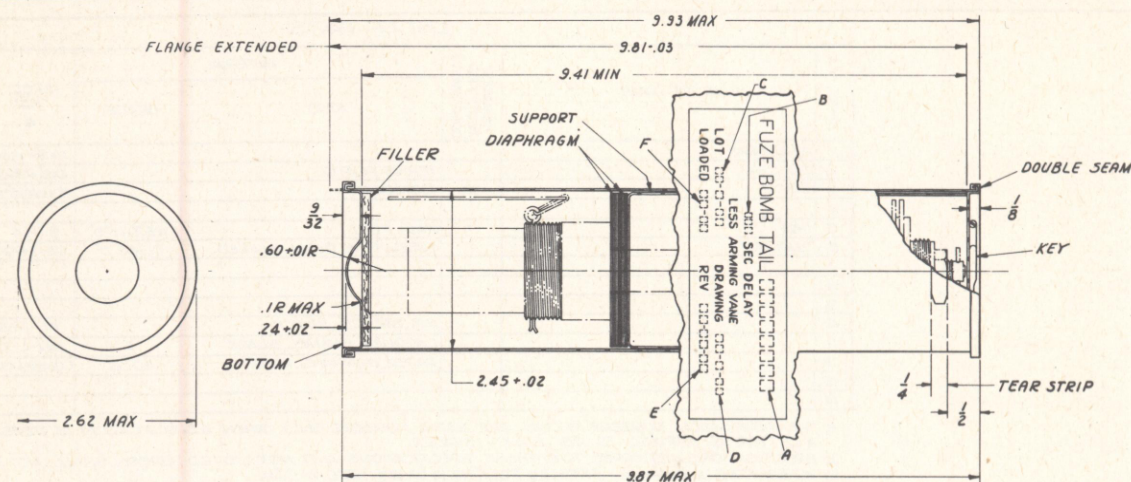
(P) PROTECTIVE FINISH, SPEC. 57-0-2.
(PQ) TYPE I, CLASS RS. OR RSG.

LINE NO.	LIST OF SPECIFICATIONS	SPECIFICATION NUMBER *	REQUIRED BY
1	AMMUNITION, EXCEPT SMALL ARMS; AMM; GENERAL SPEC. FOR	50-0-1	DRG. 76-0-47
2			
3			
4			
5	FINISHES, PROTECTIVE, FOR IRON AND STEEL PARTS	57-0-2	DRG. 76-0-47
6			
7			
8			
9			
10			
11			
12	METALS; GENERAL SPECIFICATION FOR THE INSPECTION OF	QQ-M-151	DRG. 76-0-47
13			
14			
15			
16			
17			
18	STANDARD SPECIFICATIONS FOR MARKING OF SHIPMENTS	100-2	DRG. 76-0-46
19			
20			
21			

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED, A LETTER IS AFFIXED TO ITS BASIC NUMBER. SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

OCTOBER 10, 1944				CLASS	DIVISION	DRAWING	FILE
REVISIONS				76	0	47A	
1 5-12-50							
				TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED			
				DECIMAL 2			
				FRACTIONAL 2			
				ANGULAR 2			
DRG. PERTAINS TO				DYERMAN	TRACER	ENGINEER	
				W.R.T.	W.R.T.	CHK	
				CHECKER	HTL	ENGINEER	
				SUBMITTED			
				L. C. Walling			
				EXAMINED			
				L. C. Walling			
				APPROVED BY ORDER OF THE CHIEF OF ORDNANCE			
				C. A. Little			
76-0-47				ORD. DEPT. U. S. A.			
D				ORDNANCE, DEPT., U. S. A.			

SUPERSEDES PIF-6 WITH CHANGE MAY 12, 1950.



ASSEMBLY
NO. 28 GAGE (.0149)

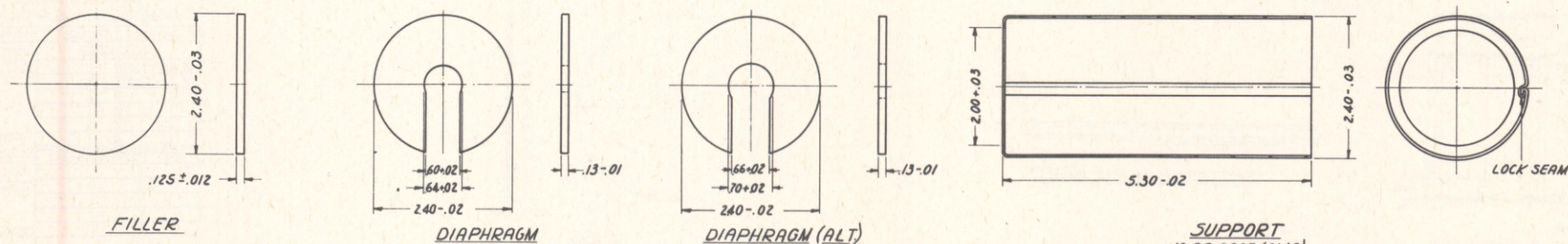
(b) PACKING INSTRUCTIONS

PACKING INSTRUCTIONS
SLIDE SUPPORT OVER DETONATOR END OF FUZE, INSERT SLOTTED DIAPHRAGMS UNDER BASE OF SUPPORT FROM OPPOSITE SIDES, INSERT FUZE IN CONTAINER AND PLACE ONE OR MORE FILLERS ON DETONATOR AS REQUIRED TO PACK CONTENTS TIGHTLY, PLACE BOTTOM IN POSITION AND SECURE BY SEAMING, SEAMING TO BE SUCH THAT CONTAINER WILL BE WATERTIGHT AND WILL WITHSTAND AN AIR PRESSURE TEST OF 3 POUNDS PER SQUARE INCH FOR 15 SECONDS WITHOUT LEAKAGE.

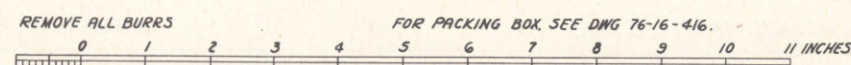
MARKING

THE MANUFACTURER WILL LITHOGRAPH MARKING, EXCEPT BLOCKS.
THE LOADER WILL COAT ALL UNPROTECTED SURFACES WITH BLACK ENAMEL,
GRADE 1 AND COMPLETE THE MARKING OF THE CONTAINER USING BLACK STENCIL INK.
A- INSERT PROPER FUZE DESIGNATION.

A-INSERT PROPER FUZE DESIGNATION.
B-INSERT TIME OF DELAY.
C-INSERT LOT NUMBER.
D-INSERT DRAWING NUMBER OF FUZE BEING LOADED.
E-INSERT DRAWING REVISION DATE.
F-INSERT MONTH AND YEAR LOADED.



SUPERSEDES 76-1-222, 76-1-222A AND 76-1-223 WITH CHANGE UNDER DATE OF MARCH 31, 1948.



LIST OF PARTS						
LINE NO.	NAME OF PART	NO. REQ'D PER COMPONENT	MATERIAL		SPEC. NUMBER *	REMARKS
			KIND	GRADE		
1	AMMUNITION, EXCEPT SMALL ARMS, ETC				50-0-1	
2						
3	ASSEMBLY				PXS-1243	(c)
4						
5	DIAPHRAGM	2	BINDER'S BOARD		COMMERCIAL	(g)
6	DIAPHRAGM (ALTERNATIVE)	2	BINDER'S BOARD		COMMERCIAL	(g) (i)
7						
8	FILLER	(k)	FELT	NO 10 OR 10 1/2	8-15 (q)	(b) (c)
9						
10	SUPPORT	1	(L)		AXS-1536 (u)	(c)
11						
12			INK, STENCIL BLACK		TT-I-558 (u)	(g)
13			LACQUER ENAMEL, BLACK	I	JAN-L-73 (u)	(u)
14						

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER.

(a) SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON SHALL NOT APPLY.

(b) ALTERNATIVE MATERIAL:- FELT, HAIR, TYPE II, CLASS "B", SPEC. 8-144 (a).

(c) ALTERNATIVE MATERIAL:- STEEL, STRIP MD1010 COLD-ROLLED, TEMPER NO.4 (SOFT SKIN-ROLLED) FINISH NO.1 (DULL) SPEC. 57-136 (a) (i).

(d) ALTERNATIVE MATERIAL:- BLACK ENAMEL, QUICK DRYING, GRADE I, SPEC. JAN-E-74 (a).

(e) FOR DOUBLE SEAM OVERLAP REQUIREMENTS, SEE FIG.3 IN SPEC. PK5-1243.

(f) PROTECTIVE FINISH:- CLEAN IN ACCORDANCE WITH GRADE II, TYPES 2, 3 OR 6, SPEC. JAN-C-430 (a) FOLLOWED BY CLEAR LACQUER, SPEC. 3-158 (a).

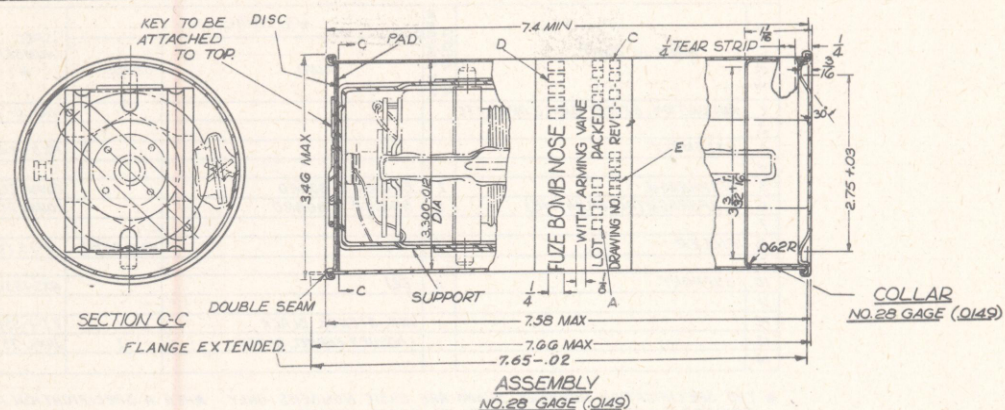
(g) UNLESS OTHERWISE SPECIFIED THESE PARTS WILL BE FURNISHED BY THE LOADER.

(h) FOR USE ONLY WHEN PACKING FUZES WITH ALTERNATIVE TUBE (O.D. .63-.01).

(i) TERNE-PLATE, DRAWING QUALITY, SPECIAL COATED MANUFACTURING TERNE, UNASSORTED.

CONTAINER, METAL, FOR TAIL BOMB FUZES,
AN-M100A2, M112A1, M115 AND M160.
ASSEMBLY, DETAILS AND PACKING AND MARKING.

HEAT TREATMENT & PROTECTIVE FINISH						CLASS		DIVISION		DRAWING	
						76		1		222	
PHYSICAL PROPERTIES						DRAWING PERTAINS TO					
TENS ST.		YIELD ST.		DRG. NO.		ANALYST					
%		%		%		%					
ELONG.		REDUCED AREA		HARDNESS		TEMPERATURE					
ORIGINAL DATE OF DRAWING JULY 3, 1934											
REVISIONS											
NO.		DATE		MFG. SUP. FIG. NO.		DR		CITY			
9		8-15-45									
10		3-31-48									
VEIN						DO NOT DO		APPL. PART NO. (to specify)			
SCALE						J.A.H.		R.B.			
TOLERANCES ON DIMENSIONS (unless otherwise Specified)						J.A.H.		R.B.			
SUBMITTED						W.D.		R.B.			
EXAMINED						C.R. Miller		C.R. Miller			
APPROVED						C.R. Miller		C.R. Miller			
D						D		D			



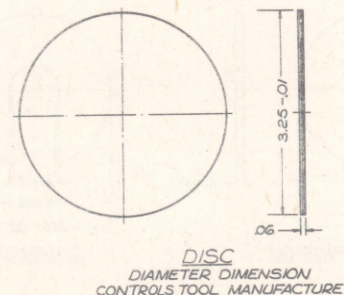
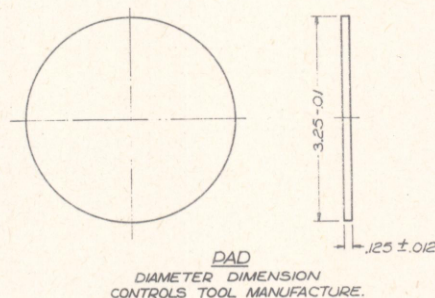
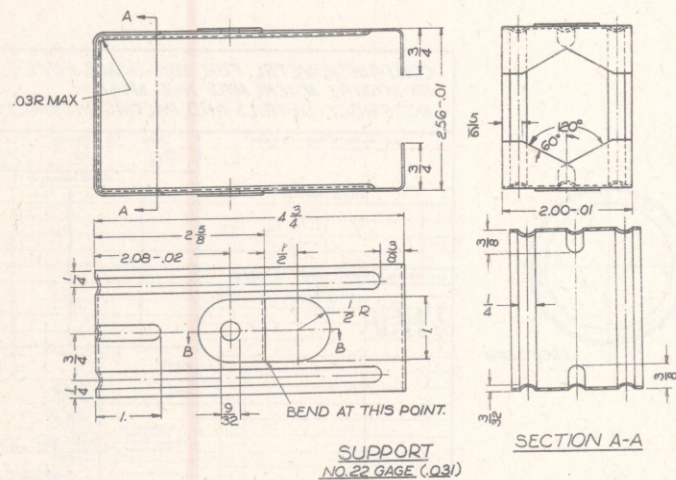
(a) PACKING INSTRUCTIONS

ALL MATERIAL SHALL BE THOROUGHLY DRY AT TIME OF PACKING. MAXIMUM MOISTURE CONTENT OF HAIR FELT SHALL BE 9%, OF PRESSED FELT, 7%. ASSEMBLE SUPPORT TO FUZE BY SPREADING ENDS SO THAT FUZE BODY LUGS ENGAGE IN HOLES AS SHOWN. PLACE ASSEMBLY IN CONTAINER WITH BOOSTER AT BOTTOM. WRAP VANE WITH KRAFT WRAPPING PAPER AND INSERT AS SHOWN. INSERT PAD AND IF REQUIRED ONE OR MORE DISCS OVER SUPPORT TO PACK CONTENTS TIGHTLY. SEAL TOP OF CONTAINER IN PLACE BY SEAMING. SEAMING TO BE SUCH THAT CONTAINER WILL BE WATER TIGHT AND WILL WITHSTAND AN AIR PRESSURE TEST OF 3 POUNDS PER SQUARE INCH FOR 15 SECONDS WITHOUT LEAKAGE.

MARKING

THE MANUFACTURER WILL LITHOGRAPH MARKING, EXCEPT BLOCKS. THE LOADER WILL COAT ALL UNPROTECTED EXTERIOR SURFACES WITH BLACK LACQUER ENAMEL, GRADE I, AND COMPLETE THE MARKING OF THE CONTAINER USING BLACK STENCIL INK.

- A-INSERT LOT NUMBER.
B-INSERT MONTH AND YEAR LOADED.
C-INSERT REVISION DATE OF DRAWING.
D-INSERT 'AN-MIO3AI, AN-MI39AI, AN-MI40AI, MIG3, MIG4 OR MIG5' AS APPLICABLE.
E-INSERT 73-8-14, 73-8-292, 73-8-293 OR 73-8-363 AS APPLICABLE.



FOR BOX, SEE DWG 76-1-211.

LIST OF PARTS

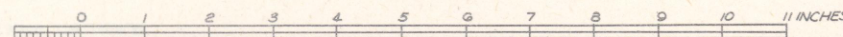
LINE NO.	NAME OF PART	NUMBER REQD PER COMPONENT	MATERIAL		SPEC NO. *	REMARKS
			KIND	GRADE		
1	ASSEMBLY				PXS-1243	(L)
2	COLLAR	1	TERNE PLATE		AXS-153G	(b)(7)(g)
3	DISC	(a)	CHIPBOARD		COMMERCIAL	(A)
4						
5	PAD	1	HAIR FELT	TYPE II, CL "B"	B-144	(b)(6)(A)
6	SUPPORT	1	STEEL, TYPE II, GALVANIZED	CLASS "D"	QQ-I-69G	(b)(7)(g)
7						
8						
9						
10			INK, STENCIL, BLACK		TT-I-558	(b)
11			LACQUER ENAMEL, BLACK	I	JAN-L-73	(b)(7)(g)
12			PAPER, WRAPPING, KRAFT	GOLB	COMMERCIAL	(A)
13						
14						

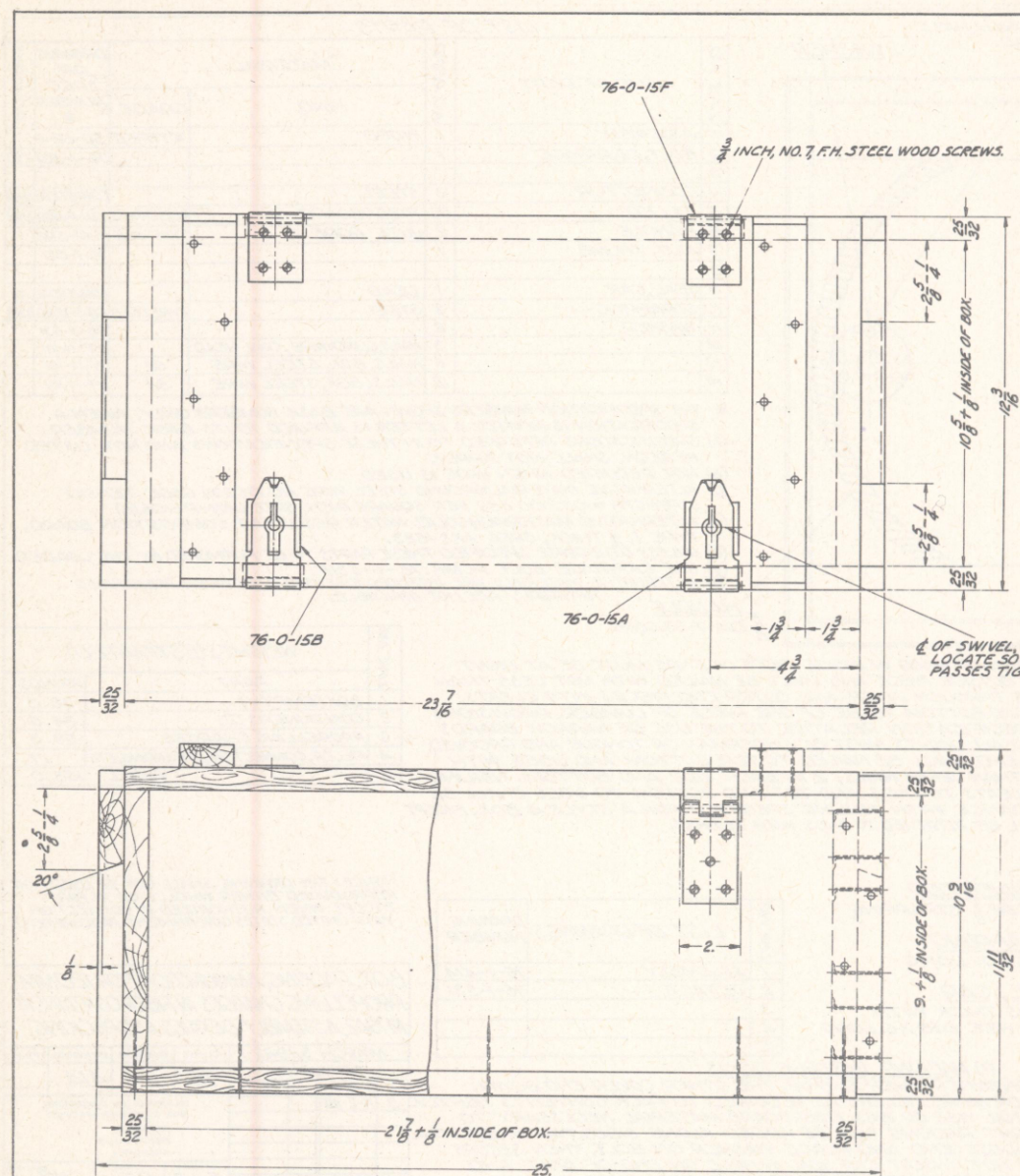
- * THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER.
(b) SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.
(c) ALTERNATIVE MATERIAL (a) - PRESSED FELT, NO. 10 OR 10 1/2, SPEC B-15 (b).
(d) ALTERNATIVE MATERIAL (a) - BLACK ENAMEL, QUICK DRYING, GRADE I, SPEC JAN-E-74 (b).
(f) DRAWING QUALITY, SPECIAL COATED MANUFACTURING TERNE, UNASSORTED.
(g) ALTERNATIVE MATERIAL (a) - STEEL, STRIP, WD 1010, COLD-ROLLED, TEMPER NO. 5 (DEAD SOFT), FINISH NO. 1 (DULL), SPEC 57-13G (b) (a) (m).
(h) UNLESS OTHERWISE SPECIFIED THESE PARTS WILL BE SUPPLIED BY THE LOADER.
(i) ALTERNATIVE MATERIAL (a) - STEEL SHEET, ZINC-COATED, CLASS "E" I OR "E" 2, 22.5 OUNCES PER SQ FOOT, SPEC QQ-I-71G (b).
(j) FOR DOUBLE SEAM OVERLAP REQUIREMENTS FOR BOTTOM, SEE FIG 3, IN SPEC PXS-1243.
(k) ALTERNATIVE MATERIAL (a) - STEEL, STRIP, WD 1010, COLD-ROLLED, TEMPER NO. 4 (SOFT SKIN-ROLLED), FINISH NO. 1 (DULL), SPEC 57-13G (b) (a).
(l) PROTECTIVE FINISHES:-
(m) TYPE I, CLASS RS, SPEC 57-0-2 (b), FOR ALTERNATIVE SEE (p).
(n) CLEAN IN ACCORDANCE WITH GRADE II, TYPES 2, 3, 4, 5 OR 6, SPEC JAN-C-490 (b) FOLLOWED BY CLEAR LACQUER, SPEC 3-158 (b).
(o) ALTERNATIVE MATERIALS ARE INTENDED TO BE USED ONLY WHEN PRESCRIBED MATERIALS ARE NOT AVAILABLE.

NOTICE-THIS DRAWING SHALL NOT BE USED NOR REPRODUCED EITHER WHOLLY OR IN PART EXCEPT WHEN AUTHORIZED IN CONNECTION WITH UNITED STATES GOVERNMENT PROCUREMENT.

CONTAINER, METAL, FOR NOSE BOMB FUZES AN-MIO3AI, AN-MI39AI, AN-MI40AI, MIG3, MIG4 OR MIG5. ASSEMBLY, DETAILS, PACKING & MARKING.			
JANUARY 17, 1938	CLASS	DIVISION	DRAWING FILE
REVISIONS	76	1	262
8 8-15-45			
9 3-30-50			
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED DECIMAL ± FRACTIONAL ± ANGULAR ±			
DRG. PERTAINS TO	DESIGNED G.E.D.F.	TRACED REC	ENGINEER L.H.
	CHECKED A.C.V.		ENGINEER A.H.
SUBMITTED	D.P. Beaman ORD. ENG. ORD. DEPT. U.S.A.		
EXAMINED	C.M. Dalton COL., ORD. DEPT. U.S.A.		
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE	J.H. Huns COL., ORD. DEPT. U.S.A.		
D	ORDNANCE DEPT., U.S.A.		

SUPERSEDES 76-1-262 AND 76-1-263 WITH CHANGE, MARCH 30, 1950.





ASSEMBLY 76-1-337A1
WOOD

NOTES:-
MOISTURE CONTENT OF LUMBER AT TIME OF MANUFACTURE OF BOX TO BE 12% MIN., 18% MAX.
LUMBER MUST BE SURFACED ON TWO SIDES (S2S) EDGES TO BE STRAIGHT AND SQUARE WITH THE SURFACE OF THE LUMBER OR LUMBER MAY BE SURFACED ON ONE SIDE (S1S) AND RESAWN ON THE OTHER SIDE, RESAWN SURFACE TO FACE THE INSIDE OF THE BOX.
LUMBER MAY BE 3/4 OR 1 INCHES IN THICKNESS.
GRAIN OF WOOD IN TOP, BOTTOM AND SIDES TO RUN LENGTHWISE OF BOX.
GRAIN OF WOOD IN ENDS TO RUN CROSSWISE OF BOX.
BOTTOM TO BE SECURED WITH NOT LESS THAN 16-8d NAILS.
SIDES TO BE SECURED TO ENDS AND CLEATS WITH NOT LESS THAN 16-8d NAILS.
CLEATS TO BE SECURED TO ENDS WITH NOT LESS THAN 22-6d NAILS, CLINCHED.
COVER CLEATS TO BE SECURED TO COVER WITH NOT LESS THAN 10-6d NAILS, CLINCHED.
8d NAILS SPECIFIED ARE FOR USE IN GROUP I WOODS. IF WOODS OF OTHER GROUPS ARE USED, NAIL SIZES MAY BE AS FOLLOWS:- GROUP II-7d; GROUP III-7d; GROUP IV-6d.
ALL NAILS TO BE CEMENT COATED.

LINE NO.	NAME OF PART	NUMBER REQ'D PER COMPONENT	PIECE-MARK	MATERIAL					APPROXIMATE WEIGHT (POUNDS)	APPROXIMATE VOLUME (CUBIC FEET)	REMARKS
				SIZE OR FORM	KIND	GRADE	SPEC. NUMBER				
1	ASSEMBLY		76-1-337A				50-62-4	18.5			(2)
2	SWIVEL ASSEMBLY	2	76-0-15B								
3											
4											
5	HASP	2	76-0-15A		STEEL		COMMERCIAL				
6	HINGE	2	76-0-15F		STEEL		COMMERCIAL				
7	PLATE, SWIVEL	2	76-0-15G		STEEL		COMMERCIAL				
8	SWIVEL	2	76-0-15C		STEEL		COMMERCIAL				
9											
10		32		6d	NAILS, BOX, STEEL WIRE		COMMERCIAL				
11		32		8d	NAILS, BOX, STEEL WIRE		COMMERCIAL				
12		34		3/8 INCH, NO. 7	SCREWS, WOOD, F.H. STEEL		COMMERCIAL				
13											
14											

(2) ALTERNATIVE SWIVEL ASSEMBLY 76-0-15D MAY BE USED.

LINE NO.	LIST OF SPECIFICATIONS	SPEC. NUMBER	REQUIRED BY
1	AMMUNITION, EXCEPT SMALL ARMS AMMUNITION, GENERAL SPEC. FOR	50-0-1	DRG. 76-1-337
2	PACKING BOXES AND CRATES, ARTILLERY AMMUNITION AND BOMBS, WOOD	50-62-4	DRG. 76-1-337
3			
4			

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER. SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

LINE NO.	LIST OF DRAWINGS	DRAWING NUMBER
1	ASSEMBLY	76-1-337
2	FITTINGS, METAL	76-0-15
3		
4	PACKING AND MARKING OF BOX	20-4-236

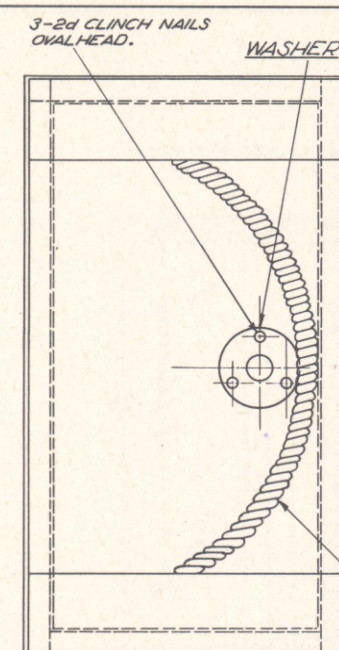
THIS BOX FOR USE IN PACKING 40 ROUNDS IN 37 MM. FIBER CONTAINER, M60 FOR 37 MM. AUTO. GUN, M4 AS FOLLOWS:-

ROUND, COMPLETE, SHOT, A.P., M80.
ROUND, COMPLETE, SHELL, PRACTICE, M55A1
ROUND, COMPLETE, SHELL, H.E., M56

BOX, PACKING FOR
37 MM. AUTO. GUN, M4 AMMUNITION.
ASSEMBLY.

NOV. 12, 1940		CLASS	DIVISION	DRAWING	FILE
REVISIONS		76	1	337	
1	7-2-41				
2	1-23-42				
SYMBOL					
DRG. PERTAINS TO					
CHECKER	H.P.F.	TRACER	H.P.F.	ENGINEER	"506"
CHECKER	RES.	CHECKER	RES.	CHIEF OF TEAM	M.T.
SUBMITTED					
EXAMINED					
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE					
LT. COL., ORG. DEPT. U. S. A.					
LT. COL., ORG. DEPT. U. S. A.					
ORDNANCE DEPT., U. S. A.					

P-26484



* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER.

(a) SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

(b) NOT REQUIRED WHEN WIRE IS USED.

(c) ALTERNATIVE MATERIAL: ROUNDED STEEL WIRE NO.13.(09) GAGE TENSILE STRENGTH=100,000 LBS. PER SQUARE INCH, SPEC JAN-P-106.(a)

(d) ALTERNATIVE MATERIAL: SOLID WATER RESISTANT COMPOSITION BOARD, TYPE 1, $\frac{1}{8}$ THICK, SPEC ACS 1623.

(e) UNLESS OTHERWISE SPECIFIED THESE PARTS TO BE FURNISHED BY THE LOADER.

(g) USE CARRIAGE BOLT PCMC 76-1-531F.

(h) ALTERNATIVE MATERIALS ARE INTENDED TO BE USED ONLY WHEN PRESCRIBED MATERIALS ARE NOT AVAILABLE.

HANDLE

NOTES--GRAIN OF LOG IN INSIDE PIECE OF ENDS MUST BE AT RIGHT ANGLES TO OUTSIDE PIECE AND SHALL BE NAILED WITH NOT LESS THAN 6-8d NAILS THROUGH INNER AND OUTER END PIECES INTO CLEATS. SIDES, TOP AND BOTTOM TO BE OF ONE PIECE OF LUMBER. PROVISIONS OF THE SPECIFICATION RELATIVE TO THE USE OF NARROW BOARDS APPLY AND ALL JOINTS MUST BE LINDERMAN OR TONGUE AND GROOVED THE FIXED END SHALL BE NAILED TO TOP, BOTTOM AND SIDES WITH NOT LESS THAN 12-8d NAILS, 2 IN EACH SIDE AND BOTTOM. NAILING OF END CLEATS TO ENDS AND TOP AND BOTTOM TO SIDES SHALL BE IN ACCORDANCE WITH NAILING SPECIFIED FOR A STYLE 4 BOX, EXCEPT CLEATS WILL BE ATTACHED TO ENDS WITH 7d NAILS.

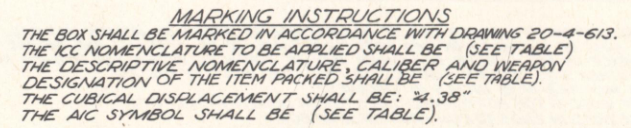
CONNECTOR
2 1/2 MAX FOR 5/8" STRAPPING

STRAPPING
5/8" X .02 X 60. LONG

SEAL, CAR
.5 DIA X .15 THICK WITH
NON-SLIP WIRE .035 X 6. LONG

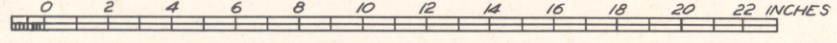
BOX, PACKING, AMMUNITION, FOR 120MM
PROPELLING CHARGES IN FIBER CONTAINER
M79A2 ASSEMBLY DETAILS AND PACKING.

MARCH 3, 1942		CLASS	DIVISION	DRAWING	FILE
REVISONS		76	1	414	
2	8-15-45	TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED			
3	11-2-49	DECIMAL ± FRACTIONAL ± ANGULAR ±			
DRG. PERTAINS TO					
		D.F. MAN E. V. S.	TRACER R. T.	ENGINEER a b c	
		CHECKER A. C.	DESIGNED S. S. P.	ENGINEER R. H. W.	
SUBMITTED:					
W. P. B. Leman ORD. ENG., ORD. DEPT. U. S. A.					
EXAMINED:					
e. R. W. Leman COL., ORD. DEPT. U. S. A.					
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:					
G. L. L. L. COL., ORD. DEPT. U. S. A.					
D		ORDNANCE DEPT., U. S. A.			

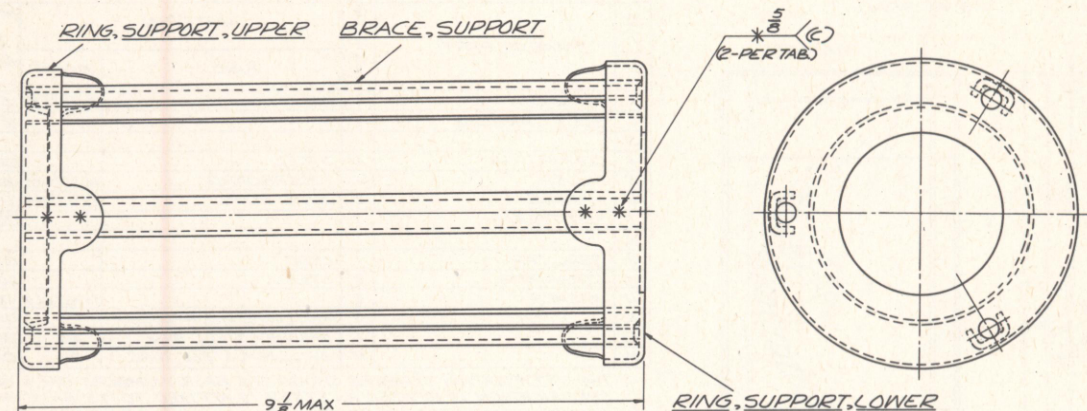


ICC DESIGNATION	DESCRIPTIVE NOMENCLATURE	CALIBER & WEAPON DESIGNATION	AIC SYMBOL
AMMUNITION FOR CANNON WITHOUT PROJECTILES	2 CHARGES PROPELLING M15	120 MM GUN	
DUMMY CHARGES (INERT)	2 CHARGES DUMMY M13	120 MM GUN	

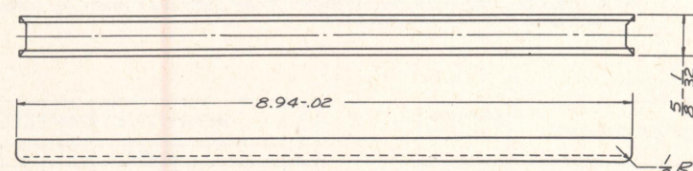
FOR STRAPPING INSTRUCTIONS SEE
DWG 20-4-613.
FOR M79A2 FIBER CONTAINER SEE
DWG 76-1-1137.



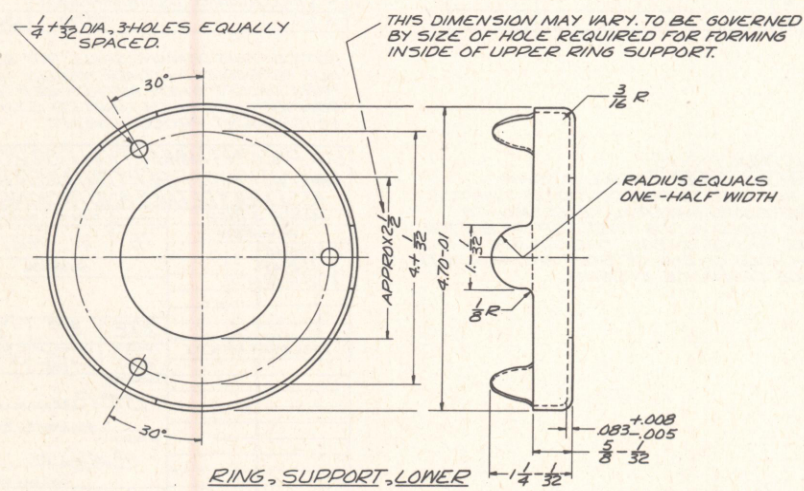
AND 20-4-311 WITH CHANGE NOVEMBER 2, 1949.



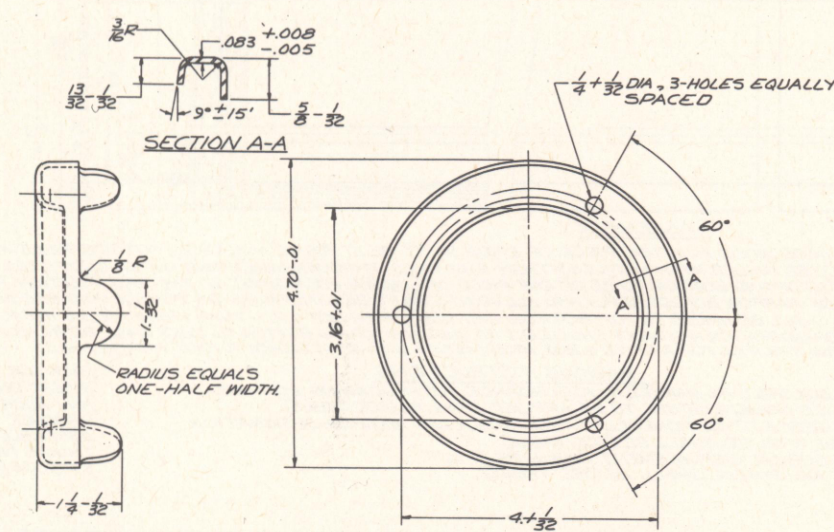
SUPPORT ASSEMBLY



BRACE, SUPPORT

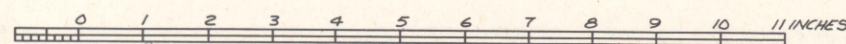


RING, SUPPORT, LOWER



RING, SUPPORT, UPPER

REMOVE ALL BURRS



SUPERSEDES 76-1-420 WITH CHANGE FEBRUARY 7, 1950.

LIST OF PARTS				
LINE NO.	NAME OF PART	MATERIAL		DRAWING OR SPEC NUMBER
		KIND	GRADE	
1	AMM EXCEPT SMALL ARMS AMM, GEN SPEC			50-0-1
2	SUPPORT ASSEMBLY			(a)
3	BRACE, SUPPORT	HOT-ROLLED STEEL STRIP	WD1010	57-136 (b)
4				
5	RING, SUPPORT, LOWER	HOT-ROLLED STEEL STRIP	WD1010	57-136 (b)
6				
7	RING, SUPPORT, UPPER	HOT-ROLLED STEEL STRIP	WD1010	57-136 (b)
8				
9				
10				

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(a) PROTECTIVE FINISH: TYPE II, CLASS "C", SPEC 57-0-2, FOLLOWED BY A COATING OF OLIVE DRAB RUST-INHIBITING ENAMEL, TYPE I OR II, SPEC TT-E-485.

(b) ALTERNATIVE MATERIAL: STEEL, STRIP, WD1010, COLD-ROLLED, TEMPER NO. 3 (QUARTER-HARD), FINISH NO. 10 (DULL), SPEC 57-136.

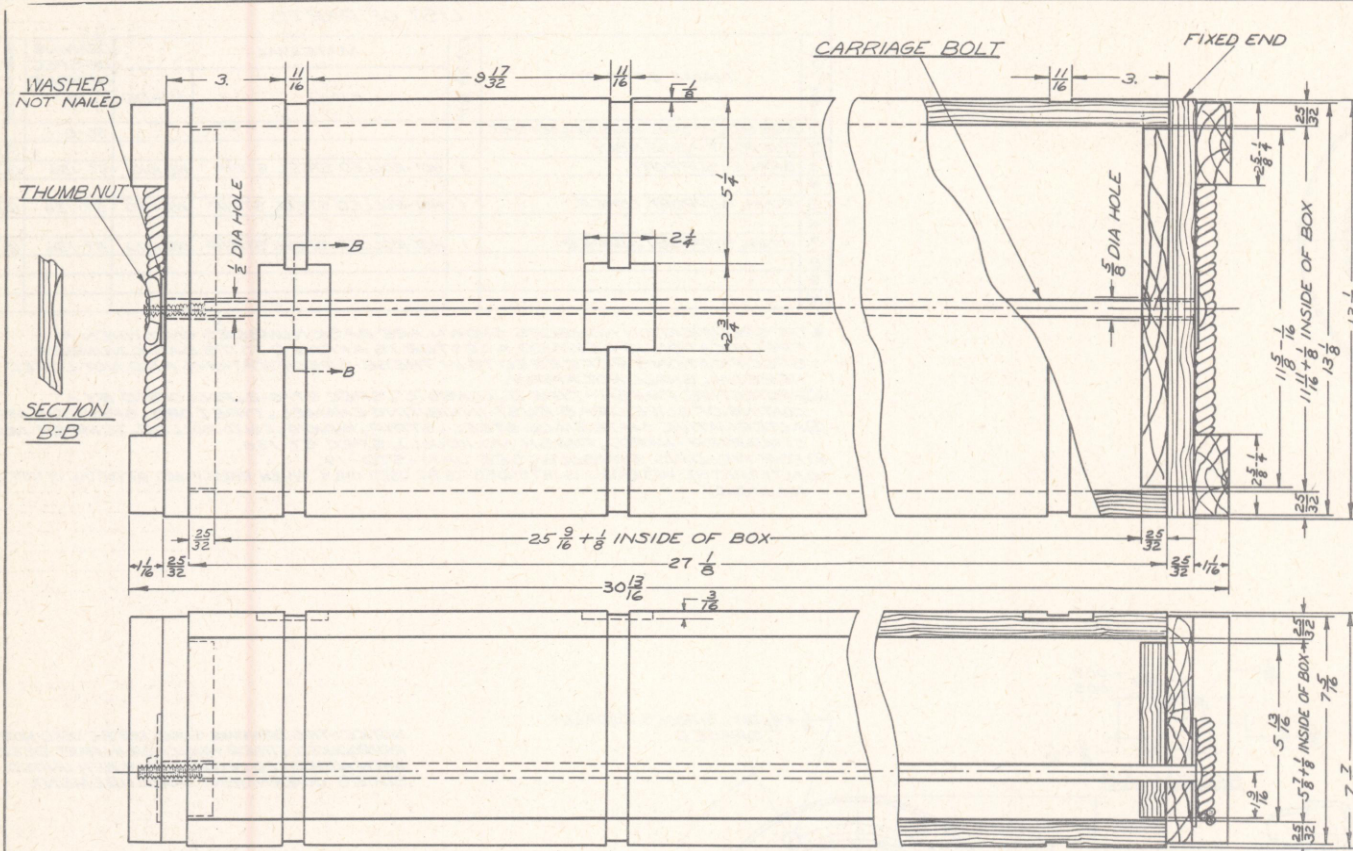
(c) FOR WELDING SYMBOLS, SEE JAN-STD-19.

(d) ALTERNATIVE MATERIAL IS INTENDED TO BE USED ONLY WHEN PRESCRIBED MATERIAL IS NOT AVAILABLE.

NOTICE: THIS DRAWING SHALL NOT BE USED NOR REPRODUCED EITHER WHOLLY OR IN PART EXCEPT WHEN AUTHORIZED IN CONNECTION WITH UNITED STATES GOVERNMENT PROCUREMENT.

SUPPORT FOR 120 MM AMMUNITION. ASSEMBLY, DETAILS AND LIST OF PARTS.

MARCH 3, 1942	CLASS	DIVISION	DRAWING	FILE
REVISIONS	76	1	420	
1 8-15-45				
2 2-7-50				
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED				
DECIMAL 2				
FRACTIONAL 2				
ANGULAR 2				
DRG. PERTAINS TO				
SUBMITTED:				
EXAMINED:				
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:				
ORDNANCE DEPT., U. S. A.				



NOTES:--GRAIN OF WOOD IN INSIDE PIECE OF ENDS MUST BE AT RIGHT ANGLES TO OUTSIDE PIECE AND SHALL BE NAILED WITH NOT LESS THAN 6-6d NAILS THROUGH INNER AND OUTER END PIECES INTO CLEATS. SIDES, TOP AND BOTTOM TO BE OF ONE PIECE OF LUMBER. PROVISIONS OF THE SPECIFICATION RELATIVE TO THE USE OF NARROW BOARDS APPLY AND ALL JOINTS MUST BE LINDERMAN OR TONGUE AND GROOVED. THE FIXED END SHALL BE NAILED TO TOP, BOTTOM AND SIDES WITH NOT LESS THAN 12-8d NAILS, 2 IN EACH SIDE AND 4 EACH IN TOP AND BOTTOM. NAILING OF END CLEATS TO ENDS AND TOP AND BOTTOM TO SIDES SHALL BE IN ACCORDANCE WITH NAILING SPECIFIED FOR A STYLE 4 BOX, EXCEPT CLEATS WILL BE ATTACHED TO ENDS WITH 7d NAILS.

MARKING INSTRUCTIONS

THE BOX SHALL BE MARKED IN ACCORDANCE WITH DRAWING 20-4-613. THE ICC NOMENCLATURE TO BE APPLIED SHALL BE (SEE TABLE). THE DESCRIPTIVE NOMENCLATURE, CALIBER AND WEAPON DESIGNATION TO BE APPLIED SHALL BE (SEE TABLE). THE CUBICAL DISPLACEMENT SHALL BE "1.76". THE AIC SYMBOL SHALL BE (SEE TABLE).

ICC NOMENCLATURE	DESCRIPTIVE NOMENCLATURE	CALIBER AND WEAPON DESIGNATION	AIC SYMBOL
EXPLOSIVE PROJECTILES	2-SHELL HE M73 W/FUZE MTM61A1	120 MM GUN	
EXPLOSIVE PROJECTILES	2-SHELL HE M73 W/SUPPL CHG & FUZE MT M61A1	120 MM GUN	
INERT LOADED PROJECTILES	2 PROJECTILES DUMMY M15	120 MM GUN	

(f) PACKING INSTRUCTIONS
PACK ONE CONTAINER COVER END UP THE OTHER COVER END DOWN. INSERT ONE OR MORE FILLERS AS REQUIRED TO PACK CONTENTS TIGHTLY. ANY ADDITIONAL W5S OR W6S FIBERBOARD MATERIAL NECESSARY TO PRODUCE TIGHT PACKING WILL BE ADDED ALONG SIDES, TOP OR BOTTOM. ASSEMBLE LOOSE END AND PLACE WASHER ON BOLT THEN SECURE WITH THUMB NUT. INSERT CAR SEAL IN HOLE ON END OF BOLT AND SEAL WITH EMBOSSEING SEALER TO PRODUCE ORDNANCE INSIGNIA.

FOR STRAPPING INSTRUCTIONS SEE DWG 20-4-613.
FOR M80A2 FIBER CONTAINER SEE DWG 76-1-1138

LIST OF PARTS

LINE NO.	NAME OF PART	NO. REQD	MATERIAL	DRAWING OR SPEC NUMBER	REMARKS
1	ASSEMBLY	1	WOOD	"A" TYPE II 50-62-4	
2	BOLT, CARRIAGE	1		76-1-531 (9)	
3					
4	CONNECTOR	3	STEEL	COMMERCIAL (6)	
5	FILLER	(4)	FIBERBOARD	W5S OR W6S JAN-P-108 (4) (6)	
6	HANDLE	2	JUTE ROPE	TYPE I OR II T-R-592 (4)	
7	NUT, THUMB	1		76-1-531	
8					
9	SEAL, CAR	1	LEAD	COMMERCIAL (6)	
10	STRAPPING	3	STEEL	QQ-S-781 (a) (6)	
11	WASHER	2		TYPE I, C.L.B. 76-1-531	
12		3	NAILS, CLINCHING, OVAL HEAD	COMMERCIAL	
13		6	NAILS, BOX, STEEL WIRE	6d COMMERCIAL	
14		12	NAILS, BOX, STEEL WIRE	8d COMMERCIAL	

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(a) SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.
(b) NOT REQUIRED WHEN WIRE IS USED.
(c) ALTERNATIVE MATERIAL: 1/4" ROUND STEEL WIRE NO. 14 (OR) GAGE, TENSILE STRENGTH=100,000 POUNDS PER SQUARE INCH SPEC JAN-P-106. (a)
(d) ALTERNATIVE MATERIAL: SOLID WATER RESISTANT COMPOSITION BOARD, TYPE I, 1/2" THICK, SPEC AXS-1623.
(e) UNLESS OTHERWISE SPECIFIED THESE PARTS SHALL BE FURNISHED BY THE LOADER.
(f) USE CARRIAGE BOLT PCMK 76-1-531K.
(g) ALTERNATIVE MATERIALS ARE INTENDED TO BE USED ONLY WHEN PRESCRIBED MATERIALS ARE NOT AVAILABLE.

LINE NO.	LIST OF DRAWINGS	DRAWING NUMBER
1	ASSEMBLY	76-1-421
2	DETAILS	76-1-531
3		
4		
5		

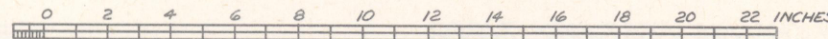
LINE NO.	PART	WEIGHTS (ESTIMATED) POUNDS
1	BOX (EMPTY)	20.0
2	CONTAINERS (2)	10.0
3	SHELL	100.0
4	FILLER, CONNECTOR, STRAPPING, ETC	.5
5	TOTAL	130.5

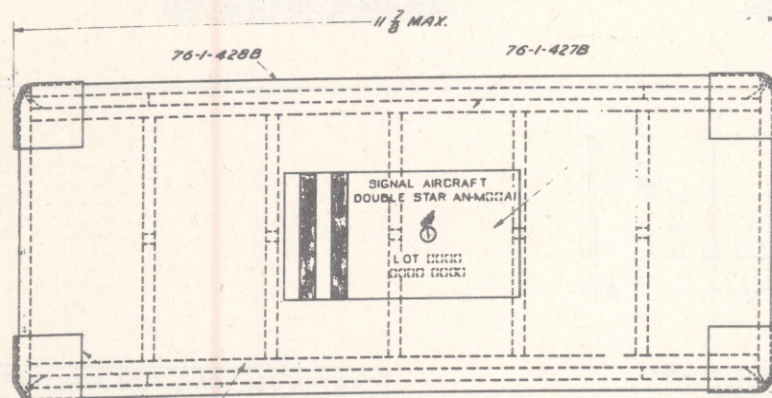
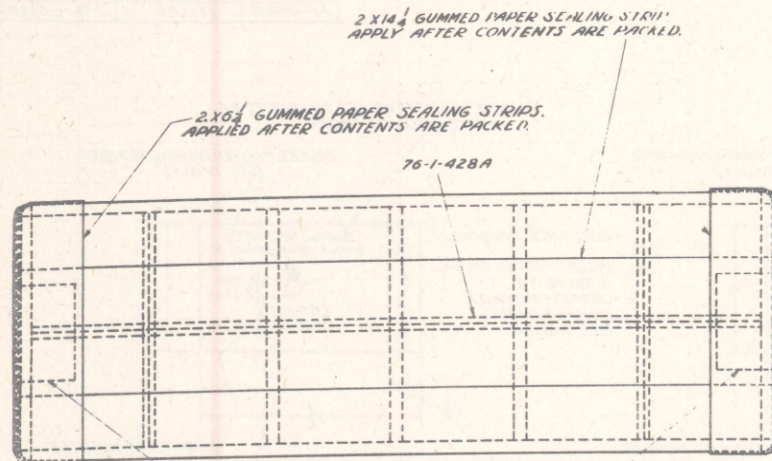
NOTICE:--THIS DRAWING SHALL NOT BE USED NOR REPRODUCED EITHER WHOLLY OR IN PART EXCEPT WHEN AUTHORIZED IN CONNECTION WITH UNITED STATES GOVERNMENT PROCUREMENT.

BOX, PACKING AMMUNITION, FOR 120MM AMMUNITION IN FIBER CONTAINER M80A2. ASSEMBLY DETAILS AND PACKING.

MARCH 3, 1942		CLASS	DIVISION	DRAWING	FILE
REVISIONS		76	1	421	
2	8-15-45				
3	1-2-49				
4	2-17-50				
SYMBOL					
DRG. PERTAINS TO					
SUBMITTED BY					
EXAMINED BY					
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE					
ORDNANCE DEPT., U. S. A.					

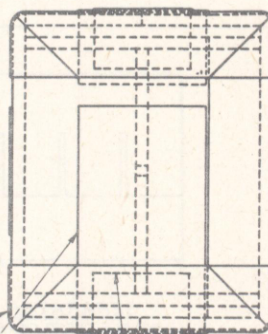
SUPERSEDES 20-4-312 AND 76-1-421 WITH CHANGE NOVEMBER 2, 1949.





LABEL, DOUBLE OR SINGLE
STAR AS REQUIRED.
76-1-428L, 76-1-428F, 76-1-428G,
76-1-428H, 76-1-428K, 76-1-428L,
76-1-428M, 76-1-428N, OR 76-1-428P.

2 X 1/4 GUMMED CLOTH SEALING STRIP
APPLY BEFORE CONTENTS ARE PACKED.
TO BE USED AT JOINT ONLY.



2 X 1/4 GUMMED PAPER SEALING STRIPS.
APPLIED BEFORE CONTENTS ARE PACKED.

2 X 1/8 GUMMED PAPER SEALING STRIP.
APPLY BEFORE CONTENTS ARE PACKED.

ASSEMBLY 76-1-427A1

NOTE: CARTON AND INTERIOR PACKING MATERIAL
TO BE THOROUGHLY DRY AT TIME OF PACKING.
AFTER CONTENTS ARE PACKED AND CARTON
SEALED, ATTACH PROPER LABEL TO SIDE.

LIST OF PARTS

LINE NO.	NAME OF PART	NUMBER REQD. PER COMPONENT	PIECE MARK	SIZE OR FORM	MATERIAL KIND	GRADE	SPEC. NUMBER	APPROX. UNIT WEIGHT (POUNDS)	APPROX. GROSS WT. OF RAW STOCK PER 1000 ASSEMBLIES	REMARKS
1	ASSEMBLY		76-1-427A				LLL-B-631	8.575		
2	SIGNAL AIRCRAFT ASSEMBLY		76-1-428A							
3	BOX	1	76-1-428B	SHEET	DOUBLE-FACED CORRUGATED STRAWBOARD		LLL-B-631			
4	FILLER	2	76-1-427B	SHEET	DOUBLE-FACED CORRUGATED STRAWBOARD		LLL-B-631			
5	LABEL, DOUBLE-STAR, AN-M37A1	1	76-1-428H	SHEET	WHITE GUMMED PAPER		COMMERCIAL			
6	LABEL, DOUBLE-STAR, AN-M38A1	1	76-1-428L	SHEET	WHITE GUMMED PAPER		COMMERCIAL			
7	LABEL, DOUBLE-STAR, AN-M39A1	1	76-1-428K	SHEET	WHITE GUMMED PAPER		COMMERCIAL			
8	LABEL, DOUBLE-STAR, AN-M40A1	1	76-1-428G	SHEET	WHITE GUMMED PAPER		COMMERCIAL			
9	LABEL, DOUBLE-STAR, AN-M41A1	1	76-1-428E	SHEET	WHITE GUMMED PAPER		COMMERCIAL			
10	LABEL, DOUBLE-STAR, AN-M42A1	1	76-1-428F	SHEET	WHITE GUMMED PAPER		COMMERCIAL			
11	LABEL, SINGLE-STAR, AN-M43A1	1	76-1-428M	SHEET	WHITE GUMMED PAPER		COMMERCIAL			
12	LABEL, SINGLE-STAR, AN-M44A1	1	76-1-428P	SHEET	WHITE GUMMED PAPER		COMMERCIAL			
13	LABEL, SINGLE-STAR, AN-M45A1	1	76-1-428N	SHEET	WHITE GUMMED PAPER		COMMERCIAL			
14	SEPARATOR, CROSS	5	76-1-428D	SHEET	DOUBLE-FACED CORRUGATED STRAWBOARD		LLL-B-631			
15	SEPARATOR, LONGITUDINAL	1	76-1-428C	SHEET	DOUBLE-FACED CORRUGATED STRAWBOARD		LLL-B-631			
16										
17										
18					CLOTH, STRIP, GUMMED		LLL-B-631			
19					INK, PRINTER'S, BLACK		COMMERCIAL			
20					INK, PRINTER'S, GREEN		COMMERCIAL			
21					INK, PRINTER'S, RED		COMMERCIAL			
22					INK, PRINTER'S, YELLOW		COMMERCIAL			
23					PAPER, STRIP, GUMMED		LLL-B-631			
24										

LIST OF SPECIFICATIONS

LINE NO.	SPEC. NUMBER	REQUIRED BY
1	AMMUNITION, EXCEPT SMALL ARMS AMMUNITION, GENERAL SPEC. FOR	50-0-1 DRG. 76-1-427
2		
3	BOXES; FIBER, CORRUGATED	LLL-B-631 DRG. 76-1-427
4		
5	PAPER; GENERAL SPECIFICATIONS	UU-P-31 DRG. 76-1-427
6		
7		
8		
9		
10		

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY.
WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER.
SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON,
SHALL NOT APPLY.
† THESE SPECIFICATIONS ARE NOT MANDATORY BUT MAY BE USED BY THE CONTRACTOR.

LIST OF DRAWINGS

LINE NO.	DRAWING NUMBER
1	ASSEMBLY 76-1-427
2	DETAILS 76-1-428
3	
4	

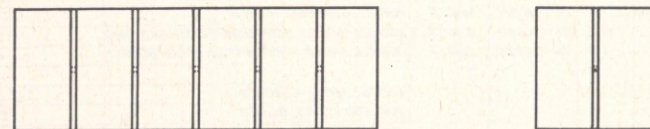
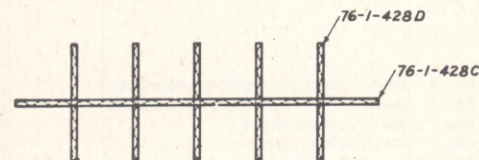
THIS CARTON FOR USE IN PACKING THE FOLLOWING
AIRCRAFT SIGNALS. (12 SIGNALS PER CARTON):

DOUBLE-STAR, RED-RED, AN-M37A1.
DOUBLE-STAR, YELLOW-YELLOW, AN-M38A1.
DOUBLE-STAR, GREEN-GREEN, AN-M39A1.
DOUBLE-STAR, RED-YELLOW, AN-M40A1.
DOUBLE-STAR, RED-GREEN, AN-M41A1.
DOUBLE-STAR, GREEN-YELLOW, AN-M42A1.
SINGLE-STAR, RED, AN-M43A1.
SINGLE-STAR, GREEN, AN-M44A1.
SINGLE-STAR, YELLOW, AN-M45A1.

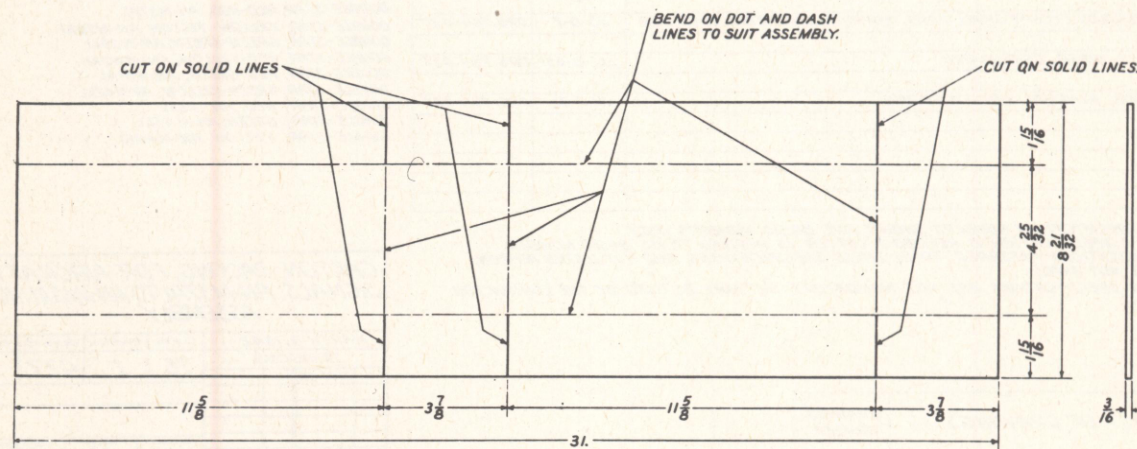
CARTON, PACKING, FOR AIRCRAFT SIGNALS, AN-M37A1 TO AN-M45A1 INCL. ASSEMBLY.

MARCH 9, 1942		CLASS	DIVISION	DRAWING	FILE
REVISIONS		76	1	427	
1 12-19-44					
DRG. PERTAINS TO					
DESIGNED N.W.F.	TRACED J.P.D.	CHECKED G.L.V.	APPROVED [Signature]		
EXAMINED [Signature]					
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE [Signature]					
COL., ORD. DEPT. U.S.A.					

SUPERSEDED BY 76-1-1297 WITH CHANGE MARCH 23, 1950.



SEPARATOR ASSEMBLY 76-1-428A



BOX 76-1-428B
DOUBLE FACED CORRUGATED STRAWBOARD.

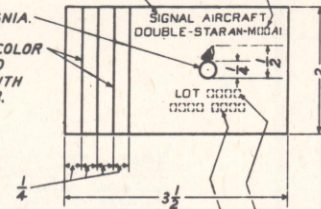
SIGNAL	COLOR	PIECEMARK
AN-M41AI	RED-GREEN	76-1-428EI
AN-M42AI	GREEN-YELLOW	76-1-428FI
AN-M43AI	RED-YELLOW	76-1-428GI
AN-M37AI	RED-RED	76-1-428HI
AN-M39AI	GREEN-GREEN	76-1-428KI
AN-M38AI	YELLOW-YELLOW	76-1-428LI

SIZE OF LETTERS AND FIGURES TO BE APPROXIMATELY AS SHOWN.

INSERT PROPER SIGNAL NUMBER. (SEE TABLE)

ORDNANCE INSIGNIA.

INSERT PROPER COLOR IN EACH BAND TO CORRESPOND WITH SIGNAL NUMBER. (SEE TABLE.)



INSERT LOT NUMBER.

INSERT DATE (MONTH AND YEAR) OF MANUFACTURE.

LABEL, DOUBLE-STAR
WHITE GUMMED PAPER, COMMERCIAL.
PRINT WITH BLACK PRINTERS INK.

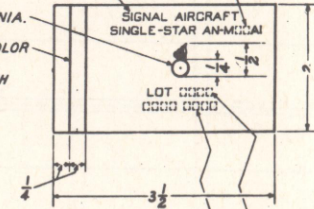
SIGNAL	COLOR	PIECEMARK
AN-M43AI	RED	76-1-428MI
AN-M45AI	GREEN	76-1-428NI
AN-M44AI	YELLOW	76-1-428PI

SIZE OF LETTERS AND FIGURES TO BE APPROXIMATELY AS SHOWN.

INSERT PROPER SIGNAL NUMBER. (SEE TABLE)

ORDNANCE INSIGNIA.

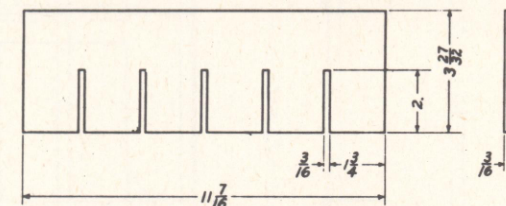
INSERT PROPER COLOR IN BAND TO CORRESPOND WITH SIGNAL NUMBER. (SEE TABLE.)



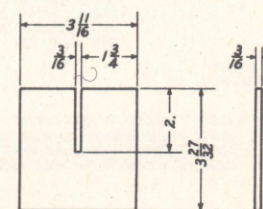
INSERT LOT NUMBER.

INSERT DATE (MONTH AND YEAR) OF MANUFACTURE.

LABEL, SINGLE-STAR
WHITE GUMMED PAPER, COMMERCIAL.
PRINT WITH BLACK PRINTERS INK.



SEPARATOR, LONGITUDINAL 76-1-428C
DOUBLE FACED CORRUGATED STRAWBOARD.



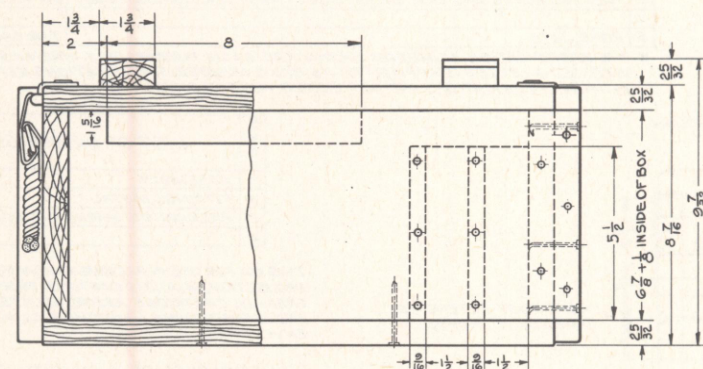
SEPARATOR, CROSS 76-1-428D
DOUBLE FACED CORRUGATED STRAWBOARD.

SCALE, INCHES: - 1/2" = 1"

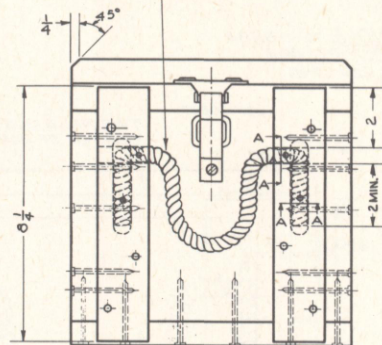
CARTON, PACKING, FOR AIRCRAFT SIGNALS, AN-M37AI TO AN-M45AI INCL. DETAILS.

MARCH 9, 1942		CLASS	DIVISION	DRAWING	FILE
REVISIONS		76	1	428	
1 1/2-19-42		SYMBOL			
DRG. PERTAINS TO		OFFICER			
		N.W.F.			
		R.J.F.M.C.			
		C.L.V.			
		SUBMITTED			
		EXAMINED			
		APPROVED BY ORDER OF THE CHIEF OF ORDNANCE			
		ORDNANCE DEPT. U.S.A.			

SUPERSEDED BY 76-1-1297 WITH CHANGE MARCH 23, 1950.



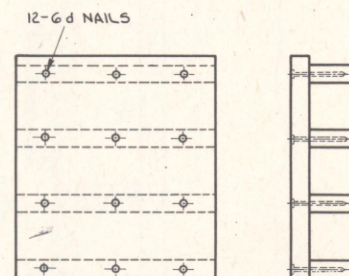
HANDLE 76-1-459B1
ROPE, JUTE 1/2 DIA. X 14 LONG



The diagram shows a cross-section of a rope and a wooden board. The rope has a diameter of $\frac{7}{16}$ inches. The board has a thickness of $\frac{1}{2}$ inch. A nail is shown passing through the center of the rope and the board. The text below the diagram states: "SECTION 'A-A' NAILS MUST PASS THROUGH CENTER OF ROPE AS SHOWN".

LINE NO.	LIST OF SPECIFICATIONS	SPEC. NUMBER	REQUIRED BY	LINE NO.	LIST OF DRAWINGS	DRAWING NUMBER
1	AMMUNITION, EXCEPT SMALL ARMS AMM.; GENERAL SPEC. FOR	50-0-1	DRG.TG-1-459	1	ASSEMBLY AND DETAILS	TG-1-459
2	PAINTS AND RELATED MATERIALS; GENERAL SPECIFICATIONS	3-1	DRG.TG-1-459	2	FITTINGS, METAL	TG-0-47
3	PACKING BOXES AND CRATES ARTILLERY AMM.; AND BOMBS, WOOD	50-62-4	DRG.TG-1-459	3		
4	ROPE, JUTE	AX5-902	DRG.TG-1-459	4	PACKING AND MARKING	20-4-343
5	STAIN, WATER SOLUBLE	AX5-843	DRG.TG-1-459	5		
6	STAIN, OIL TYPE	AX5-803	DRG.TG-1-459			

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER. SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT HEREON SHALL NOT APPLY.



VIEW SHOWING
SPACER NAILING

THIS BOX FOR USE IN PACKING THE FOLLOWING:-
G-MINES, ANTI-PERSONNEL, M3.
G-SPOOLS OF STEEL WIRE.
G-FUZES, MINE ANTI-PERSONNEL, M3.
SUPERSEDES OLD TRACING 76-1-459
UNDER REVISION DATE OF OCT. 30, 1943

BOX PACKING FOR MINES,
ANTI-PERSONNEL, M3, COMPLETE
ASSEMBLY AND DETAILS.

SEPTEMBER 1, 1942			CLASS		DIVISION		DRAWING		FILE		
REVISIONS			76		1		459				
1	10-30-43		TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED								
2	8-15-45		DECIMAL ± FRACTIONAL ± ANGULAR ±								
			DFTSMAN		TRACER		RM		ENGINEER		
			AFH		AFH				BEMED. ENGINEER		
			CHECKER		D.C.		Spore				
DRG. PERTAINS TO			SUBMITTED: <i>Amgall</i> W. J. ORD. U.S.A.								
			EXAMINED: <i>E.C. Stalling</i> ORD. DEPT. U.S.A.								
			APPROVED BY ORDER OF THE CHIEF OF ORDNANCE: <i>W. J. Ord</i> COL., ORD. DEPT. U.S.A.								
20-4-343			ORDNANCE DEPT. U.S.A.								
D											

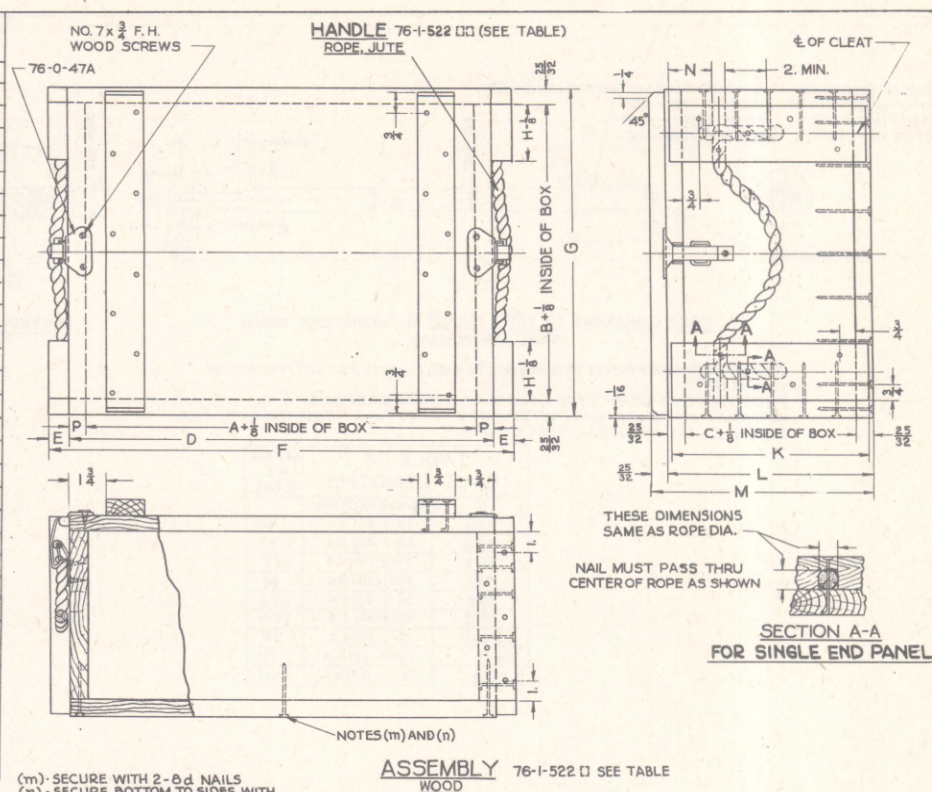
LINE NO	ASSEMBLY PIECEMARK	USED FOR PACKING (t)	TOTAL WEIGHT (POUNDS)	DIMENSIONS															ROPE HANDLE			NAILS (MIN. NUMBER REQ'D & SIZE				PACKING & MARKING DRAWING	REMARKS
				A	B	C	D	E	F	G	H	K	L	M	N	P	R	PIECEMARK	DIA.	LENGTH	SLICK TO ENDS AND CLEATS	CLEATS TO ENDS	CLEATS TO TOP	BOTTOM TO ENDS			
1	76-1-522A7	FUZES, MIA2, FOR ANTI-TANK MINES	25.7	29 1/2	14 1/2	6 1/2	30 1/2	25 1/2	32 1/2	16 1/2	2 1/2	7 1/2	7 1/2	8 1/2	2 1/2			76-1-522AZ	1 1/2	22	16-8d	20-6d	16-8d	16-8d	20-4-238	(n)	
2	76-1-522B7	FUZES, TIME AND DETONATING	18.5	14 1/2	14 1/2	10 1/2	15 1/2	17 1/2	18 1/2	15 1/2	2 1/2	12 1/2	12 1/2	13 1/2	2 1/2			76-1-522BZ	1 1/2	19	24-8d	28-6d	18-6d	14-8d	20-4-190	(m)	
3	76-1-522C7	GRENADE, A.T. PRACTICE, IIA2	26.30	23 1/2	11 1/2	12 1/2	25 1/2	24 1/2	26 1/2	13 1/2	2 1/2	13 1/2	13 1/2	14 1/2	2 1/2			76-1-522CZ	1 1/2	18	28-8d	32-6d	14-6d	12-8d	20-4-319	(n)	
4	76-1-522D7	AMM. FOR 57 MM. GUNS,	13.20	24 1/2	8 1/2	4 1/2	26 1/2	27 1/2	27 1/2	9 1/2	2 1/2	5 1/2	5 1/2	6 1/2	2 1/2			76-1-522DZ	1 1/2	15 1/2	12-8d	16-6d	12-6d	8-8d	20-4-364	(m)	
5	76-1-522E7	BLOCKS, CHAIN MI, BLOCKS M2	16.00	18 1/2	12 1/2	5 1/2	19 1/2	21 1/2	21 1/2	14 1/2	2 1/2	6 1/2	6 1/2	7 1/2	2 1/2			76-1-522EZ	1 1/2	19 1/2	12-8d	16-6d	16-6d	14-8d	20-4-362	(m)	
6	76-1-522F7	BLANK AMM., FOR 105 MM. M2	18.60	25 1/2	10 1/2	7 1/2	27 1/2	29 1/2	29 1/2	12 1/2	2 1/2	8 1/2	8 1/2	9 1/2	2 1/2			76-1-522FZ	1 1/2	18 1/2	16-8d	20-6d	14-6d	12-8d	20-4-119	(n)	
7	76-1-522G7	MINES, ANTI-PERSONNEL, M2A3 OR M2A3B1	14.30	19 1/2	8 1/2	6 1/2	21 1/2	22 1/2	22 1/2	10 1/2	2 1/2	8 1/2	8 1/2	9 1/2	2 1/2			76-1-522GZ	1 1/2	18 1/2	16-8d	20-6d	12-6d	10-8d	20-4-419	(m)	
8	76-1-522H7	FUZES, HAND GRENADE M6A3	19.00	22 1/2	14 1/2	9 1/2	23 1/2	25 1/2	25 1/2	16 1/2	2 1/2	11 1/2	11 1/2	11 1/2	2 1/2			76-1-522HZ	1 1/2	22	20-8d	24-6d	18-6d	16-8d	20-4-170	(n)	
9	76-1-522K7	MINES, ANTI-PERSONNEL, M2	21.00	28 1/2	11 1/2	7 1/2	30 1/2	32 1/2	32 1/2	13 1/2	2 1/2	8 1/2	8 1/2	9 1/2	2 1/2			76-1-522KZ	1 1/2	18 1/2	16-8d	20-6d	14-6d	12-8d	20-4-342	(n)	
10	76-1-522L7	BLANK AMM. FOR 75 MM. GUNS & HOW.	24.00	19 1/2	15 1/2	8 1/2	21 1/2	22 1/2	22 1/2	17 1/2	2 1/2	9 1/2	9 1/2	10 1/2	2 1/2			76-1-522LZ	1 1/2	23	20-8d	24-6d	18-6d	16-8d	20-4-119	(n)	
11	76-1-522M7	BLANK AMM. FOR 37 MM. GUNS	21.00	23 1/2	11 1/2	9 1/2	24 1/2	26 1/2	26 1/2	13 1/2	2 1/2	10 1/2	10 1/2	11 1/2	2 1/2			76-1-522MZ	1 1/2	18 1/2	20-8d	24-6d	14-6d	12-8d	20-4-119	(n)	
12	76-1-522N7	BLANK AMM. FOR 3IN (5 PDR) & AA GUNS	19.00	24 1/2	9 1/2	7 1/2	25 1/2	27 1/2	27 1/2	11 1/2	2 1/2	9 1/2	9 1/2	10 1/2	2 1/2			76-1-522NZ	1 1/2	18 1/2	16-8d	24-6d	12-6d	10-8d	20-4-119	(n)	
13	76-1-522P7	GRENADES, HAND MK. II	14.00	14 1/2	14 1/2	5 1/2	16 1/2	17 1/2	17 1/2	16 1/2	2 1/2	6 1/2	6 1/2	7 1/2	2 1/2			76-1-522PZ	1 1/2	20	12-8d	16-6d	18-6d	16-8d	20-4-166	(m)	
14	76-1-522R8	AMMUNITION FOR 40 MM. GUNS	19.00	18 1/2	11 1/2	5 1/2	20 1/2	21 1/2	21 1/2	12 1/2	2 1/2	7 1/2	7 1/2	8 1/2	2 1/2			76-1-522RZ	1 1/2	18 1/2	15-8d	15-6d	14-6d	12-8d	20-4-399	(m)	
15	76-1-522S7	BLANK AMM. FOR 3IN (5 PDR) & AA GUNS	19.00	26 1/2	10 1/2	7 1/2	27 1/2	29 1/2	29 1/2	12 1/2	2 1/2	8 1/2	8 1/2	9 1/2	2 1/2			76-1-522SZ	1 1/2	18 1/2	16-8d	20-6d	14-6d	12-8d	20-4-119	(n)	
16	76-1-522T7	PRIMERS, ELECTRIC	13.00	14 1/2	14 1/2	4 1/2	16 1/2	17 1/2	17 1/2	16 1/2	2 1/2	5 1/2	5 1/2	6 1/2	2 1/2			76-1-522TZ	1 1/2	22	12-8d	16-6d	18-6d	16-8d	20-4-204	(m)	
17	76-1-522U7	AMMUNITION FOR 37 MM. GUNS	15.00	15 1/2	10 1/2	8 1/2	16 1/2	18 1/2	18 1/2	11 1/2	2 1/2	9 1/2	9 1/2	10 1/2	2 1/2			76-1-522UZ	1 1/2	18 1/2	20-8d	24-6d	14-6d	18-8d	20-4-226	(m)	
18	76-1-522W7	37 MM. AUTO. GUN, M4, AMM.	18.50	21 1/2	10 1/2	9 1/2	23 1/2	24 1/2	24 1/2	12 1/2	2 1/2	10 1/2	10 1/2	11 1/2	2 1/2			76-1-522WZ	1 1/2	18 1/2	20-8d	24-6d	14-6d	12-8d	20-4-236	(n)	
19	76-1-522Z7	AMM. FOR 57MM.GUNS, M1, 6 FOR, 7CWT.	14.40	27 1/2	8 1/2	4 1/2	29 1/2	31 1/2	31 1/2	9 1/2	2 1/2	5 1/2	5 1/2	6 1/2	2 1/2			76-1-522ZZ	1 1/2	15 1/2	12-8d	16-6d	12-6d	8-8d	20-4-364	(n)	
20	76-1-522AA7	37 MM. GUN, MOD.1916, AMM.	18.10	16 1/2	10 1/2	8 1/2	18 1/2	19 1/2	19 1/2	12 1/2	2 1/2	9 1/2	9 1/2	10 1/2	2 1/2			76-1-522AAZ5	1 1/2	18 1/2	20-8d	24-6d	14-6d	10-8d	20-4-408	(m)	
21	76-1-522BB7	ARMING WIRE ASSEMBLIES	21.00	11 1/2	12 1/2	12 1/2	13 1/2	14 1/2	14 1/2	14 1/2	2 1/2	14 1/2	14 1/2	14 1/2	2 1/2			76-1-522BBZ5	1 1/2	17 1/2	28-8d	32-6d	16-6d	14-8d	20-4-429	(m)	
22	76-1-522CC7	BLANK AMM. FOR 37 MM. GUNS	22.00	18 1/2	12 1/2	10 1/2	19 1/2	21 1/2	21 1/2	14 1/2	2 1/2	11 1/2	11 1/2	12 1/2	2 1/2			76-1-522CCZ4	1 1/2	20 1/2	24-8d	28-6d	16-6d	14-8d	20-4-119	(m)	
23	76-1-522EE7	37 MM., PRACTICE, M63, MOD.1	12.76	10 1/2	10 1/2	10 1/2	12 1/2	14 1/2	14 1/2	11 1/2	2 1/2	12 1/2	12 1/2	13 1/2	2 1/2			76-1-522EEZ7	1 1/2	18 1/2	24-8d	28-6d	12-6d	10-8d	20-4-410	(m)	
24	76-1-522FF7	60 MM., INCREMENTS, M3	17.50	17 1/2	8 1/2	10 1/2	19 1/2	20 1/2	20 1/2	10 1/2	2 1/2	11 1/2	11 1/2	12 1/2	2 1/2			76-1-522FFZ5	1 1/2	17 1/2	24-8d	28-6d	12-6d	10-8d	GA2372	(m)	
25	76-1-522GG7	81 MM., INCREMENTS, M1	19.50	14 1/2	12 1/2	12 1/2	16 1/2	17 1/2	17 1/2	13 1/2	2 1/2	13 1/2	13 1/2	14 1/2	2 1/2			76-1-522GGZ5	1 1/2	18 1/2	28-8d	32-6d	16-6d	12-8d	GA2374	(m)	
26	76-1-522HH7	81 MM., INCREMENTS, M2	30.50	24 1/2	12 1/2	12 1/2	25 1/2	27 1/2	27 1/2	13 1/2	2 1/2	13 1/2	13 1/2	14 1/2	2 1/2			76-1-522HHZ5	1 1/2	18 1/2	28-8d	32-6d	16-6d	12-8d	GA2376	(m)	
27	76-1-522KK7	AMM. FOR 75 MM. GUNS	14.40	27 1/2	8 1/2	4 1/2	29 1/2	31 1/2	31 1/2	9 1/2	2 1/2	5 1/2	5 1/2	6 1/2	2 1/2			76-1-522KKZ5	1 1/2	15 1/2	12-8d	16-6d	12-6d	8-8d	20-4-439E	(n)	
28	76-1-522LL7	AMM. FOR 75 MM. GUNS	12.20	21 1/2	8 1/2	4 1/2	23 1/2	25 1/2	25 1/2	9 1/2	2 1/2	5 1/2	5 1/2	6 1/2	2 1/2			76-1-522LLZ5	1 1/2	15 1/2	12-8d	16-6d	12-6d	8-8d	20-4-439F	(n)	
29	76-1-522MM7	AMM. FOR 75 MM. HOW.	13.20	24 1/2	8 1/2	4 1/2	26 1/2	28 1/2	28 1/2	9 1/2	2 1/2	5 1/2	5 1/2	6 1/2	2 1/2			76-1-522MMZ5	1 1/2	15 1/2	12-8d	16-6d	12-6d	8-8d	20-4-439G	(n)	
30	76-1-522NN7	AMM. FOR 75 MM. GUNS	13.70	25 1/2	8 1/2	4 1/2	27 1/2	29 1/2	29 1/2	9 1/2	2 1/2	5 1/2	5 1/2	6 1/2	2 1/2			76-1-522NNZ5	1 1/2	15 1/2	12-8d	16-6d	12-6d	8-8d	20-4-439H	(n)	
31	76-1-522PP7	AMM. FOR 75 MM. HOW.	12.60	22 1/2	8 1/2	4 1/2	25 1/2	27 1/2	27 1/2	9 1/2	2 1/2	5 1/2	5 1/2	6 1/2	2 1/2			76-1-522PPZ5	1 1/2	15 1/2	12-8d	16-6d	12-6d	8-8d	20-4-439K	(n)	
32	76-1-522RR7	AMM. FOR 75 MM. GUNS	12.00	21 1/2	8 1/2	4 1/2	23 1/2	24 1/2	24 1/2	9 1/2	2 1/2	5 1/2	5 1/2	6 1/2	2 1/2			76-1-522RRZ5	1 1/2	15 1/2	12-8d	16-6d	12-6d	8-8d	20-4-439M	(n)	

(t) FOR DETAILED INFORMATION SEE PACKING AND MARKING DRAWINGS

LIST OF PARTS										LINE NO.	LIST OF DRAWINGS		DRAWING NUMBER
LINE NO.	NAME OF PART	NO. REQ. PER COMPONENT	PIECE-MARK	SIZE OR FORM	MATERIAL	SPEC. NUMBER	APPROX. GROSS WT. OF RAW STOCK PER 1000 ASSEMBLIES	REMARKS					
1	ASSEMBLY		(b)			50-62-4	(b)			1	ASSEMBLY		76-1-522
2	HANDLE	2	(b)		ROPE, JUTE, TYPE I	T-R-592				2	FITTINGS, METAL		76-0-47
3	FITTINGS, ASSEMBLY	2	76-0-47A				.25			3			
4										4			
5													
6		(b)	(b)	6d	NAILS, BOX, STEEL WIRE	COMMERCIAL							
7													
8		(b)		8d	NAILS, BOX, STEEL WIRE	COMMERCIAL							
9		8		NO. 7 x 1/2 LONG	SCREWS, WOOD, F.H. STEEL	COMMERCIAL							
10													
11													
LIST OF SPECIFICATIONS										LINE NO.	LIST OF DRAWINGS		DRAWING NUMBER
LINE NO.						SPEC. NUMBER	REQUIRED BY						
1	AMMUNITION, EXCEPT SMALL ARMS AMMUNITION GENERAL SPEC. FOR					50-0-1	76-1-522						
2													
3	PACKING BOXES AND CRATES, ARTILLERY AMMUNITION AND BOMBS, WOOD					50-62-4	76-1-522						
4													
5	ROPE, JUTE					T-R-592	76-1-522						
6													
7													
8													
9													
10													

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY.
WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER.
SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.
(b) SEE TABLE

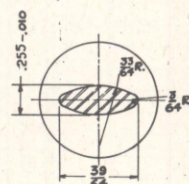
(c) ALTERNATIVE: LUMBER MAY BE SURFACED ON ONE SIDE (SIS) AND RESAWN ON THE OTHER.
EDGES TO BE STRAIGHT AND SQUARE SURFACE OF LUMBER, RESAWN SURFACE TO FACE INSIDE OF BOX.
(d) ALTERNATIVE: LUMBER MAY BE 3/4 OR 1 1/8 INCHES IN THICKNESS, WHERE 3/4 IS SPECIFIED.



(m) - SECURE WITH 2-8d NAILS
(n) - SECURE BOTTOM TO SIDES WITH 4-8d NAILS, EQUALLY SPACED.

- NOTES:-
1. MOISTURE CONTENT OF LUMBER AT TIME OF MANUFACTURE OF BOX TO BE 12% MIN, 18% MAX.
 2. LUMBER TO BE SURFACED ON TWO SIDES (S2S), EDGES TO BE STRAIGHT AND SQUARE WITH SURFACE OF LUMBER

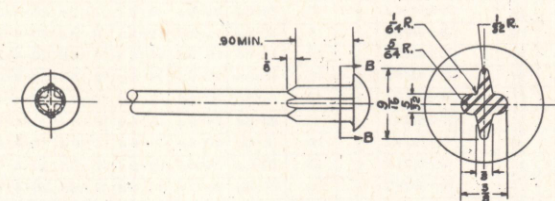
7-14-NC-2 (ROLLED THREADS MANDATORY)
MAJOR = .4375 - .0098
PITCH = .3911 - .0049
MINOR = .3499 MAX.



BOLT, CARRIAGE (TYPE I HEAD) 76-1-531[] (SEE TABLE)
STEEL, COMMERCIAL

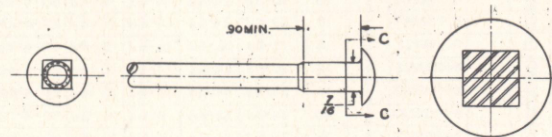
BOLT SHALL ASSEMBLE FREELY TO THUMB NUT 76-1-531P AFTER PROTECTIVE FINISH IS APPLIED.
PROTECTIVE FINISH:- TYPE I, CLASS TS, RS, OR RSC, SPEC 57-0-2.
ALTERNATIVE FINISH:- GALVANIZE (HOT DIP) MEETING REQUIREMENTS FOR TYPE I, CLASS RS OR RSC, SPEC 57-0-2.

TABLE OF BOLT LENGTHS		APPROX WT. (LBS)
K	PIECEMARK OF BOLT	
42 $\frac{1}{16}$	76-1-531 A 4	1.44
43 $\frac{1}{8}$	76-1-531 B 4	1.47
36 $\frac{1}{4}$	76-1-531 C 4	1.22
28 $\frac{1}{2}$	76-1-531 D 4	.96
50 $\frac{3}{4}$	76-1-531 E 4	1.70
39 $\frac{1}{2}$	76-1-531 F 4	1.34
28 $\frac{1}{2}$	76-1-531 G 4	.98
41 $\frac{1}{2}$	76-1-531 H 6	1.40
29 $\frac{1}{2}$	76-1-531 K 6	1.00



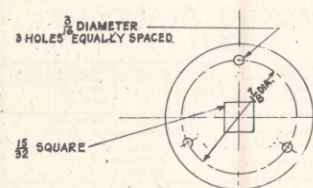
TYPE II HEAD (ALTERNATIVE)

FOR ALL OTHER INFORMATION, SEE BOLT, CARRIAGE, TYPE I HEAD



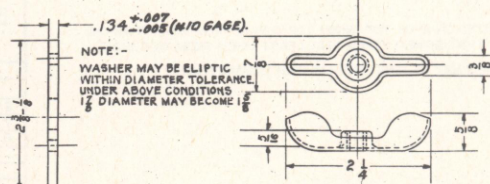
TYPE III HEAD (ALTERNATIVE)

FOR ALL OTHER INFORMATION, SEE BOLT, CARRIAGE, TYPE I HEAD



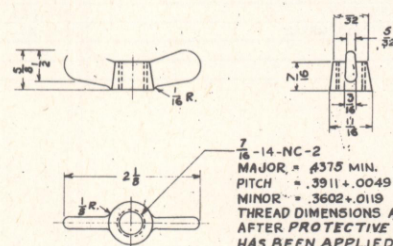
WASHER 76-1-531AB6

PROTECTIVE FINISH:- TYPE I, CLASS TS, RS
OR RSC, SPEC 57-0-2.
ALTERNATIVE FINISH:- GALVANIZE (HOT DIP)
MEETING REQUIREMENTS FOR TYPE I, CLASS
RS OR RSC, SPEC 57-0-2.



NUT, THUMB, TYPE II (ALT. TO TYPE I)
STEEL COMMERCIAL

FOR ALL OTHER INFORMATION SEE NUT, THUMB, TYPE I 76-1-531P



NUT THUMB TYPE I 76-1-531P

NO. 1, THOMAS, LEE & CO.
MALLEABLE IRON CASTING OR STEEL

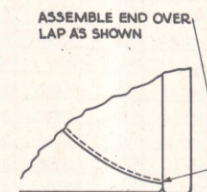
SUBSTITUTION OF SIMILAR COMMERCIAL THUMB-NUT OF APPROXIMATELY THE SAME DIMENSIONS IS PERMISSIBLE.
WEIGHT .01 LB. APPROX.

PROTECTIVE FINISH:- TYPE I, CLASS TS, RS, OR RSC, SPEC 57-0-2.
ALTERNATIVE FINISH:- GALVANIZE (HOT DIP) MEETING REQUIREMENTS FOR TYPE I, CLASS RS OR RSC, SPEC 57-0-2.

SCALE $\frac{1}{1}, \frac{2}{1}$

ACCESSORIES, FOR BOX, OPENING
END OPENING.

APRIL 24, 1943		CLASS	DIVISION	DRAWING	FILE
REVISONS		76	1	531	
1	6-2-43	TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED			
2	7-27-43	DECIMAL & FRACTIONAL & ANGULAR S			
3	11-14-43				
4	1-4-44				
5	8-15-45				
6	9-5-50				
DRG. PERTAINS TO		DTPMAN	TRACES	WATER	
	76-1-415	O.C.S.	K.L.M.	944	
	76-1-421	CHECKER			
	76-1-530	7/4			
	76-1-1236	SUBMITTED			
	76-1-1237	Omgallagher			
	76-1-1269	CAPTAIN (DRG. DEPT. U.S.)			
		EXAMINED:	R. F. Harwardt		
			CAPT. DRG. DEPT. U.S.		
		APPROVED BY ORDER OF THE CHIEF OF ORDNANCE			
		H. R. H. H. H.			
		COL. DRG. DEPT. U.S.			
D		ORDNANCE DEPT. U.S.			



ASSEMBLY OF END TO COVER OR BODY

FOR DIMENSIONS ETC., SEE TABLES.
FOR VIEW OF COMPLETE ASSEMBLY SHOWING SPECIAL
DETAILS ETC., SEE PACKING AND MARKING DRAWING
LISTED IN TABLE.
ALL TUBES TO BE SNUG FIT WITHIN EACH OTHER.

Diagram illustrating the structure of a pipe, showing layers from the inside out:

- INSIDE OF TUBE
- GLUE OR DEXTRINE ADHESIVE
- THESE 2 LAYERS MAY BE INTERCHANGED TO FACILITATE MANUFACTURE.
- ASPHALT

LAYERS OF AMMUNITION CONTAINER BOARD AS REQUIRED TO PROVIDE SPECIFIED WALL THICKNESS.

ONE LAYER OF .025 THICK KRAFT BOARD.

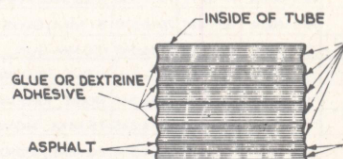
A cross-sectional diagram of a roof waterproofing system. It shows a central core of horizontal layers labeled "ASPHALT". This core is surrounded by a thick layer of "GLUE OR DEXTRENE ADHESIVE". The entire assembly is contained within a structure labeled "INSIDE OF TUBE". Arrows point from the text labels to their corresponding parts in the diagram.

✓ LAYERS OF AMMUNITION CONTAINER BOARD AS REQUIRED TO PROVIDE SPECIFIED WALL THICKNESS.

✓ ONE LAYER OF .007 WATERPROOF ASPHALT DUPLEX KRAFT WRAPPING PAPER (MUST LAP NOT LESS THAN 1/8 INCH). INNER SURFACE TO BE COATED WITH ASPHALT

ONE LAYER OF .006 TO .007 ASPHALT IMPREGNATED KRAFT WRAPPING PAPER (MUST LAP NOT LESS THAN $\frac{3}{8}$ INCH). INNER SURFACE TO BE COATED WITH ASPHALT.

ENLARGED SECTION THROUGH OUTER
TUBES LARGER THAN 3.00 INCHES O.D. (a)



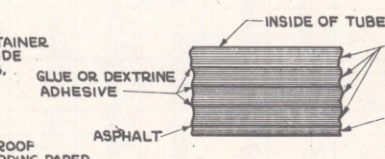
LAYERS OF AMMUNITION CONTAINER BOARD AS REQUIRED TO PROVIDE SPECIFIED WALL THICKNESS.

ASPHALT DUPLEX KRAFT WRAPPING PAPER (MUST LAP NOT LESS THAN $\frac{1}{4}$ INCH). EACH LAYER TO BE APPLIED WITH THE INNER SURFACE COATED WITH ASPHALT.

ENLARGED SECTION THROUGH NECK
TUBES LARGER THAN 2.81 INCHES O.D. (a)

NOTES:- (a) - ALL LAYERS NOT OTHERWISE NOTED MUST HAVE BUTT JOINTS WITH A MAXIMUM GAP OF $\frac{1}{2}$ INCH ALLOWED.

ENLARGED SECTION THROUGH OUTER
TUBES 3.00 INCHES O.D. OR SMALLER (a)



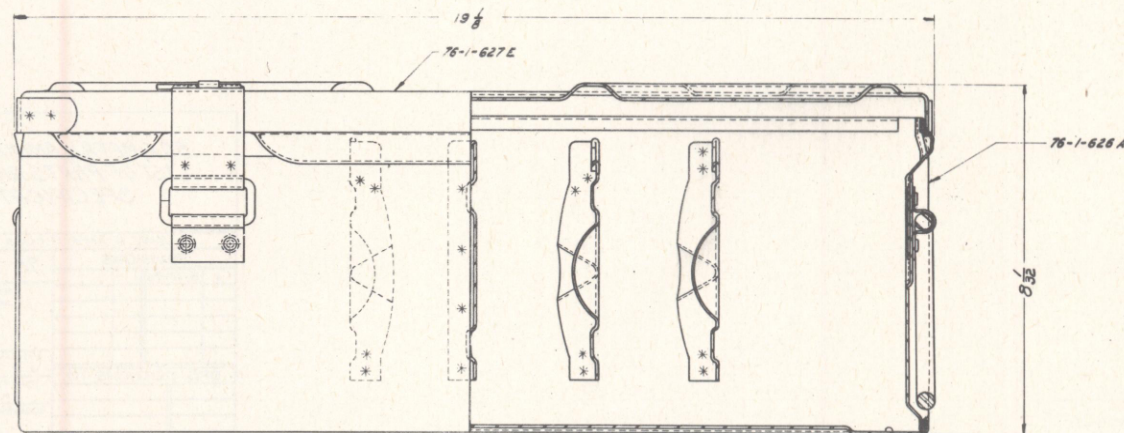
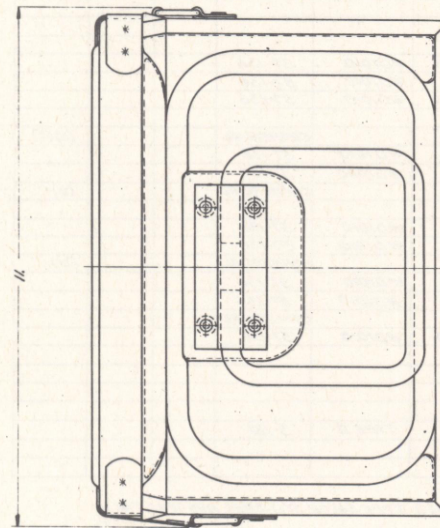
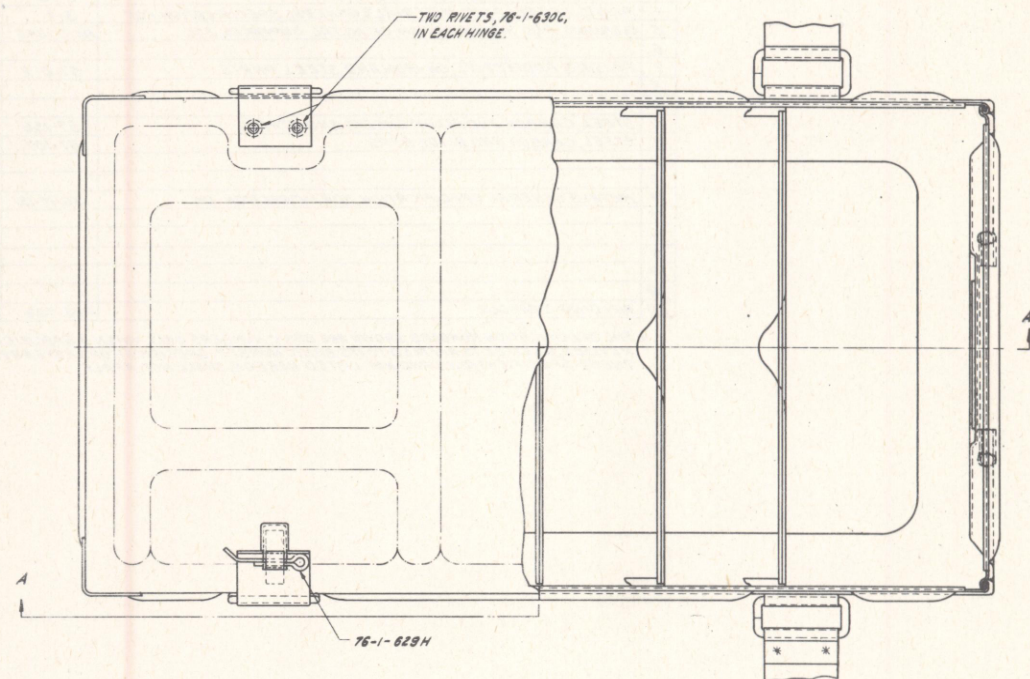
LAYERS OF AMMUNITION CONTAINED
BOARD AS REQUIRED TO PROVIDE
SPECIFIED WALL THICKNESS

ONE LAYER OF .007 WATERPROOF ASPHALT DUPLEX KRAFT WRAPPING PAPER (MUST LAP NOT LESS THAN 1 INCH). INNER SURFACE TO BE COATED WITH ASPHALT.

ENLARGED SECTION THROUGH NECK
TUBES 2.81 INCHES O.D. OR SMALLER (a)

CONTAINER, FIBER, STANDARD ASSEMBLY					
DECEMBER 16, 1943		CLASS	DIVISION	DRAWING	FILE
REVISIONS		76	1	602	
1	3-13-44	TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED, DECIMAL ± FRACTIONAL ± ANGULAR ±			
		OFFICER H.T.L.	TRACER R.M.S.	ENGINEER J.H.	
DRG. PERTAINS TO		CHECKER J.B.	SENDER ENGINEER C.H.W.		
		SUBMITTED Burgallagh MAJOR, CDR. DEPT. U.S.A.			
		EXAMINED R.C. Walling CDR. DEPT. U.S.A.			
		APPROVED BY ORDER OF THE CHIEF OF ORDNANCE. R.W. Walling C. WALLING DEPT. U.S.A.			
D		ORDNANCE DEPT. U.S.A.			

LINE NUMBER	DIAMETERS											LENGTHS											SPECIAL DETAILS	SUPERSEDES DRAWING NUMBER	PACKING & MARKING DRAWING NUMBER	EMBOSSING OR DEBOSSING FOR UPPER SECTOR OF METAL ENDS NOTE (X)	APPROXIMATE UNIT WEIGHT OF CONTAINER ASSEMBLY (LBS.)	REMARKS	LINE NUMBER	NOTES	
	CONTAINER	PIECE MARK	CONTAINER DESIGNATION	MAXIMUM DIA. OF METAL ENDS (AFTER CRIMPING)	OUTSIDE DIA. OF OUTER TUBE	INSIDE DIA. OF OUTER TUBE	INSIDE DIA. OF NECK TUBE	INSIDE DIA. OF SPACER TUBE	INSIDE DIA. OF SUPPORT TUBE	INSIDE DIA. OF NECK RING (AFTER CRIMPING)	INSIDE DIA. OF SUPPORT RING (AFTER CRIMPING)	FLANGE DIA. OF SUPPORT RING	OUTSIDE OVERALL OF ASSEMBLY	OVERALL OF COVER ASSEMBLY	OVERALL OF BODY TUBE ASSEMBLY	OVERALL OF NECK TUBE ASSEMBLY	OVERALL OF SPACER TUBE	OVERALL OF SUPPORT TUBE ASSEMBLY	NECK LENGTH (NECK TUBE TO BODY)	LENGTH OF METAL END SKIRT (AFTER CRIMPING)	OVERALL DEPTH OF CRIMPING (METAL ENDS)	INSIDE RADIUS OF EMBOSSING OR DEBOSSING CIRCLE									
																															DIMENSIONS
				MAX.	-.030	-.030	-.03	-.03	+.031	-.030	+.016	-.030	MAX.	-.32	-.32	+.32	-.32	-.32	MIN.												
1	76-1-603A1	M20A1		5.156	4.814	4.48	3.06			4.453			38.51	5.15	33.19	37.39	9.51		4.52	.235	.9	1.7		76-1-176	75-14-179	3 IN. GUNS	6.85			1	(X) ALL LETTERING TO BE EMBOSSED UNLESS OTHERWISE SPECIFIED.
2	76-1-603B1	M21A1		3.937	3.630	3.30	3.00			3.270			25.7	4.15	21.13	24.39	10.11		3.11	.235	.9	1.1		76-1-179	75-14-186	75 MM. GUN	2.75			2	
3	76-1-603C1	M28A2		4.750	4.410	4.08	3.06			4.053			32.65	5.15	27.39	31.61	8.		4.	.235	.9	1.1		76-1-182	75-14-183	3 IN. GUNS	5.59			3	
4	76-1-603D1	M32A1		10.01	9.73	9.40				9.37			22.3	5.15	17.2	22.3			4.	.235	.9	1.1		76-1-605A	75-14-217	1 CHG. PROP. FOR 240 MM. HOW.	5.00			4	CONTINUED ON DRG. 76-1-603
5	76-1-603E1	M36A2		3.937	3.630	3.25		2.438		2.375	3.		14.13	4.1	10.64	13.11		2.15	16	.235	.9	1.1		76-1-211	75-14-195	81 MM.	1.85			5	
6	76-1-603F1	M37A2		3.937	3.630	3.25		2.438		2.375	3.		24.1	3.81	20.5	23.1		3.7	32	.235	.9	1.1		76-1-214	75-14-196	81 MM.	2.33			6	
7	76-1-603G1	M38A2		3.937	3.630	3.30	3.00			3.27			27.2	4.1	23.1	26.4	12.11		3.21	.235	.9	1.1		76-1-605E	75-14-199	75 MM. GUNS	3.73			7	CONTINUED ON DRG. 76-1-603
8	76-1-603H1	M41A1		2.82	2.63	2.40							6.24	4.15	1.5	3.21			1.55	.125	.7	8		76-1-605A	75-14-210	HAND GRENADE, MK. II	.22			8	
9	76-1-603I1	M43A1		2.77	2.58	2.28				2.25			6.24	4.15	1.5	3.21			1.55	.125	.7	8		76-1-605A	75-14-254	NONE REQUIRED	.30			9	
10	76-1-603J1	M44A1		6.86	6.58	6.25				6.22			23.1	6.43	16.31	22.35			6.11	.235	.9	2.1		76-1-605A	75-14-213	2 CHGS. PROP. FOR 155 MM. HOW.	4.20			10	CONTINUED ON DRG. 76-1-603
11	76-1-603K1	M45A1		6.86	6.58	6.25				6.22			38	6.43	31.25	37.19			6.11	.235	.9	2.1		76-1-605A	75-14-214	1 CHG. PROP. FOR 155 MM. GUN	6.20			11	
12	76-1-603L1	M46A1		5.84	5.56	5.23				5.20			23.1	6.43	16.31	22.35			6.11	.235	.9	2.1		76-1-605A	75-14-215	2 CHGS. PROP. FOR 155 MM. HOW.	3.50			12	
13	76-1-603P1	M47A1		2.77	2.58	2.28				2.25			5.11	3.27	1.49	3.21			1.55	.125	.7	8		76-1-605A	75-14-216	NONE REQUIRED	.28			13	CONTINUED ON DRG. 76-1-603
14	76-1-603Q1	M48A1		3.937	3.630	3.30	3.00			3.27			24.19	4.6	20.5	23.1	12.3		3.7	.235	.9	1.1		76-1-605E	75-14-221	75 MM. HOW.	3.25			14	
15	76-1-603R1	M50A1		2.84	2.65	2.42		2.18		2.13	2.39		10.16	3.17	7.11	9.11		3.16	.235	.9	1.1		76-1-605A	75-14-234	GOMM. MORTAR	.55			15	CONTINUED ON DRG. 76-1-603	
16	76-1-603S1	M51A1		6.96	6.65	6.32				6.29			21.2	6.43	14.1	20.5			6.	.235	.9	2.1		76-1-605A	75-14-235	60 MM. MORTAR	3.70				16
17	76-1-603T1	M52A1		7.56	7.28	6.95				6.92			38.13	7.33	30.54	37.19	12.9		4.5	.235	.9	3.		76-1-605A	75-14-239	1 CHG. PROP. FOR 155 MM. GUN	6.10				17
18	76-1-603U1	M53A1		5.59	5.248	4.91	3.60			4.883			38.32	7.33	32.25	37.19	12.9		4.5	.235	.9	1.1		76-1-605A	75-14-240	90 MM. GUN	7.50			18	CONTINUED ON DRG. 76-1-603
19	76-1-603V1	M58B1A1		2.49	2.32	2.06	1.49			2.01			15.9	2.31	12.31	14.1	5.		2.11	.125	.7	8		76-1-605L	75-14-264	37 MM. GUN	.69			19	
20	76-1-603W1	M59B1A1		2.40	2.20	2.00				1.00	1.625		13.2	2.31	10.29	12.31		1.2	2.11	.125	.7	8		76-1-605A	75-14-266	37 MM. GUNS	.56			20	
21	76-1-603X1	M60B1A1		2.13	1.93	1.67	1.50			1.635			10.18	2.31	7.1	9.31	3.23		2.13	.125	.7	8		76-1-605A	75-14-267	37 MM. GUN	.40			21	CONTINUED ON DRG. 76-1-603
22	76-1-603Y1	M62A1		7.56	7.28	6.95				6.92			22.6	7.33	14.1	21.3			7.2	.235	.9	3.		76-1-605A	75-14-282	1 CHG. PROP. FOR 8 IN. HOW.	3.73			22	
23	76-1-603Z1	M63A1		8.96	8.68	8.35				8.32			25.9	7.45	17.1	24.13			7.4	.235	.9	3.5		76-1-605A	75-14-283	1 CHG. PROP. FOR 8 IN. HOW.	4.96			23	
24	76-1-603A1	M64B1A1		2.40	2.20	2.00		.80		.75	1.375		13.63	2.31	11.1	12.19		8	4.9	.125	.7	1.1		76-1-605A	75-14-284	37 MM. GUNS	.54			24	CONTINUED ON DRG. 76-1-603
25	76-1-603A1	M65A1		4.75	4.41	4.08	3.06			4.053			36.6	5.32	31.1	35.64	11.1		4.	.235	.9	1.1		76-1-350	75-14-286	3 IN. GUNS	5.14			25	
26	76-1-603A1	M66A1		2.69	2.50	2.27	1.61			2.24			18.5	4.3	14.17	17.35			3.15	.125	.7	8		76-1-369	75-14-311	40 MM. GUNS	1.00			26	
27	76-1-603AD1	M68A1		5.84	5.56	5.23				5.20			33.52	6.43	26.64	32.64			6.32	.235	.9	2.1		76-1-605A	75-14-323	2 CHGS. PROP. FOR 155 MM. HOW.	4.02			27	CONTINUED ON DRG. 76-1-603
28	76-1-603AE1	M69A1		6.86	6.58	6.25				6.22			22	6.43	15.15	21.15			6.9	.235	.9	2.1		76-1-605A	75-14-324	1 CHG. PROP. FOR 155 MM. HOW.	3.40			28	
29	76-1-603AF1	M71A1		4.617	4.31	3.98							5.1	2.31	2.31	3.13			1.7	.235	.9	1.1		76-1-605A	75-14-328	NONE REQUIRED	.76			29	
30	76-1-603AG1	M72A1		3.937	3.63	3.30	2.31			3.27			24.8	4.6	19.81	23.13	3.2		3.13	.235	.9	1.1		76-1-388	75-14-331	57 MM. GUN.	2.50	OBSOLESCE		30	CONTINUED ON DRG. 76-1-603
31	76-1-603AH1	M74A1		3.25	3.06	2.77				2.75			9.15	4.7	5.8	7.3			2.6	.125	.7	8		76-1-605B	75-14-335	NONE REQUIRED	.50			31	
32	76-1-603AK1	M75A1		4.75	4.41	4.08				4.05			24.1	6.43	17.19	23.64			6.32	.235	.9	1.1		76-1-605A	75-14-337	1 CHG. PROP. FOR 4.5 IN. GUN.	3.22	OBSOLESCE		32	
33	76-1-603AL1	M76A1		5.84	5.56	5.23				5.20			24.1	6.43	17.19	23.64			6.32	.235	.9	1.1		76-1-605A	75-14-338	1 CHG. PROP. FOR 4.5 IN. GUN.	3.74	OBSOLESCE		33	CONTINUED ON DRG. 76-1-603
34	76-1-603AM1	M78B1A1		2.49	2.32	2.06	1.50			2.01			13.23	2.31	11	13.64	3.16		2.1	.125	.7	8		76-1-605A	75-14-339	37 MM. GUNS	.60			34	
35	76-1-603AN1	M79A1		8.27	7.77	7.26	5.61			7.23			35.2	7.45	27.64	34.37	4.8		6.29	.235	.9	3.1		76-1-605C	75-14-343	120>					



SECTION A-A

ASSEMBLY 76-1-625A1

NOTES:-
 CORNERS AND JOINTS MUST BE CLOSED COMPLETELY.
 ALL STEEL FITTINGS MUST BE CORRECTLY ALIGNED.
 ALL BURRS ARE TO BE REMOVED AND ALL EXTERNAL SHARP
 EDGES AND CORNERS TO BE ROUNDED.
 FOR PROTECTIVE FINISHES AND ALTERNATIVE MATERIAL SEE
 DRG 76-1-625A

THIS BOX FOR USE IN PACKING THE FOLLOWING:-
 8- MINES, AT, HE, LIGHT, MTAI, WITH 8 FUZES, MINE, CHEM, M600
 8- MINES, AT, HE, LIGHT, MTAI, WITH 8 FUZES, MINE, AT, TT
 12- MINES, AT, LIGHT, PRAC, M10, WITHOUT FUZES.

SCALE 3/16"

LINE NO.	LIST OF DRAWINGS	DRAWING NUMBER
1	COMPLETE ASSEMBLY	76-1-625
2	LIST OF PARTS AND LIST OF SPECS.	76-1-625A
3	PACKING AND MARKING OF BOX	20-4-435
4	ASSEMBLY	76-1-626
5	ASSEMBLY	76-1-627
6		
7		
8		
9	DETAILS	76-1-628
10	DETAILS	76-1-629
11	DETAILS	76-1-630
12		

JUNE 9, 1944				CLASS	DIVISION	DRAWING	FILE
REVISIONS				76	1	625	
1 8-15-45				TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED DECIMAL ± FRACTIONAL ± ANGULAR ±			
DRG. PERTAINS TO				DFTSMAN J.B.	TRACER J.B.	ENGINEER J.B.	
SUBMITTED:				C. S. Reed, 4249 COL, ORD. DEPT. U.S.A.			
EXAMINED:				R. C. Walling ORD. DEPT. U.S.A.			
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:				C. S. Reed, 4249 COL, ORD. DEPT. U.S.A.			
D				ORDNANCE DEPT., U.S.A.			

LIST OF PARTS										
LINE NO.	NAME OF PART	NUMBER REPROD COMPONENT	PIECE- MARK	MATERIAL				APPROXIMATE GROSS WT. (POUNDS)	APPROX. GROSS WT. OF RAW STOCK PARTS ASSEMBLES	REMARKS
				SIZE OR FORM	KIND	GRADE	SPEC. NUMBER			
1	ASSEMBLY		76-1-625A				AXS-1674			(a)
2										
3	BODY ASSEMBLY		76-1-626A							
4	COVER ASSEMBLY		76-1-627E							
5	END ASSEMBLY		76-1-627A							
6										
7										
8	BODY, SIDE & BOTTOM	1	76-1-628A	SHEET	STEEL, HOT ROLLED & PICKLED	WD1010	57-136			
9	COVER	1	76-1-630A	SHEET	STEEL, HOT ROLLED & PICKLED	WD1010	57-136			
10	CLIP, HANDLE	2	76-1-629D	STRIP	STEEL, HOT ROLLED & PICKLED	WD1010	57-136			
11										
12	CLIP, SPRING, COVER	2	76-1-629F	STRIP	STEEL		COMMERCIAL			(b)(c)
13	END	2	76-1-629A	SHEET	STEEL, HOT ROLLED & PICKLED	WD1010	57-136			
14	HANDLE	2	76-1-627B	ROD	STEEL	WD1020	57-107			
15	HINGE, COVER	2	76-1-629G	STRIP	STEEL		COMMERCIAL			(b)
16										
17	PARTITION	4	76-1-629B	SHEET	STEEL, HOT ROLLED & PICKLED	WD1010	57-136			
18	PARTITION, CENTER	1	76-1-629E	SHEET	STEEL, HOT ROLLED & PICKLED	WD1010	57-136			
19	PIN, COTTER	2	76-1-629H	$\frac{1}{8}$ X $\frac{1}{2}$	STEEL		COMMERCIAL			(d)
20	PLATE, HANDLE	2	76-1-629C	STRIP	STEEL, HOT ROLLED & PICKLED	WD1010	57-136			
21	REINFORCEMENT, CORNER	4	76-1-630B	STRIP	STEEL, HOT ROLLED & PICKLED	WD1010	57-136			
22	RIVET	20	76-1-630C	RM. STD.	STEEL		COMMERCIAL			
23	STRAP, COVER	2	76-1-629K	STRIP	STEEL, HOT ROLLED & PICKLED	WD1010	57-136			
24										
25										
26										
27										
28					ENAMEL, OLIVE DRAB	TYPE II	3-181			
29										
30										

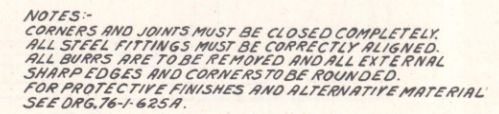
- (a) CLEAN AND PREPARE ENTIRE EXTERIOR AND INTERIOR SURFACES WITH GRADE I OR GRADE II, TYPE 5A) OR 5A), SPEC. AXS-1245, THEN COAT WITH RUST-INHIBITIVE OLIVE DRAB ENAMEL, TYPE II, SPEC. 3-181
- (b) ADVISORY: STEEL ROD, WD1020, SPEC. 57-107 AND STRIP STEEL, WD1010 SPEC. 57-136
- (c) ADVISORY: UPPER PART TO BE STEEL, COLD ROLLED, WD1065, SPRING TEMPER, SPEC. 57-136 TO APPLY IN OTHER RESPECTS.
- (d) FINISH: BLACK OILED OR PARKERIZED.

LINE NO.	LIST OF SPECIFICATIONS	SPEC. NUMBER *	REQUIRED BY
1	AMMUNITION, EXCEPT SMALL ARMS AMMUNITION, GENERAL SPEC. FOR	50-0-1	DRG 76-1-625
2	BOX, METAL, AMMUNITION, M156	AXS-1674	DRG 76-1-625
3	ENAMEL, OLIVE DRAB, RUST-INHIBITING	3-181	DRG 76-1-625
4	PAINTS AND RELATED MATERIALS GENERAL SPECIFICATION FOR	3-1	3-181
5	CLEANING AND PREPARATION OF METAL SURFACES, ETC.	AXS-1245	AXS-1674
6			
7	FINISHES PROTECTIVE, ON IRON AND STEEL PARTS	57-0-2	AXS-1245
8			
9			
10	STEEL, CARBON AND ALLOY, SHEETS AND STRIPS	57-136	DRG 76-1-628
11	STEEL, CARBON AND ALLOY, BARS	57-107	DRG 76-1-629
12			
13			
14	METALS GENERAL SPECIFICATION FOR INSPECTION OF	QQ-M-151	57-136
15			
16			
17			
18			
19			
20	WELDING SYMBOLS	AXS-799	DRG 76-1-627

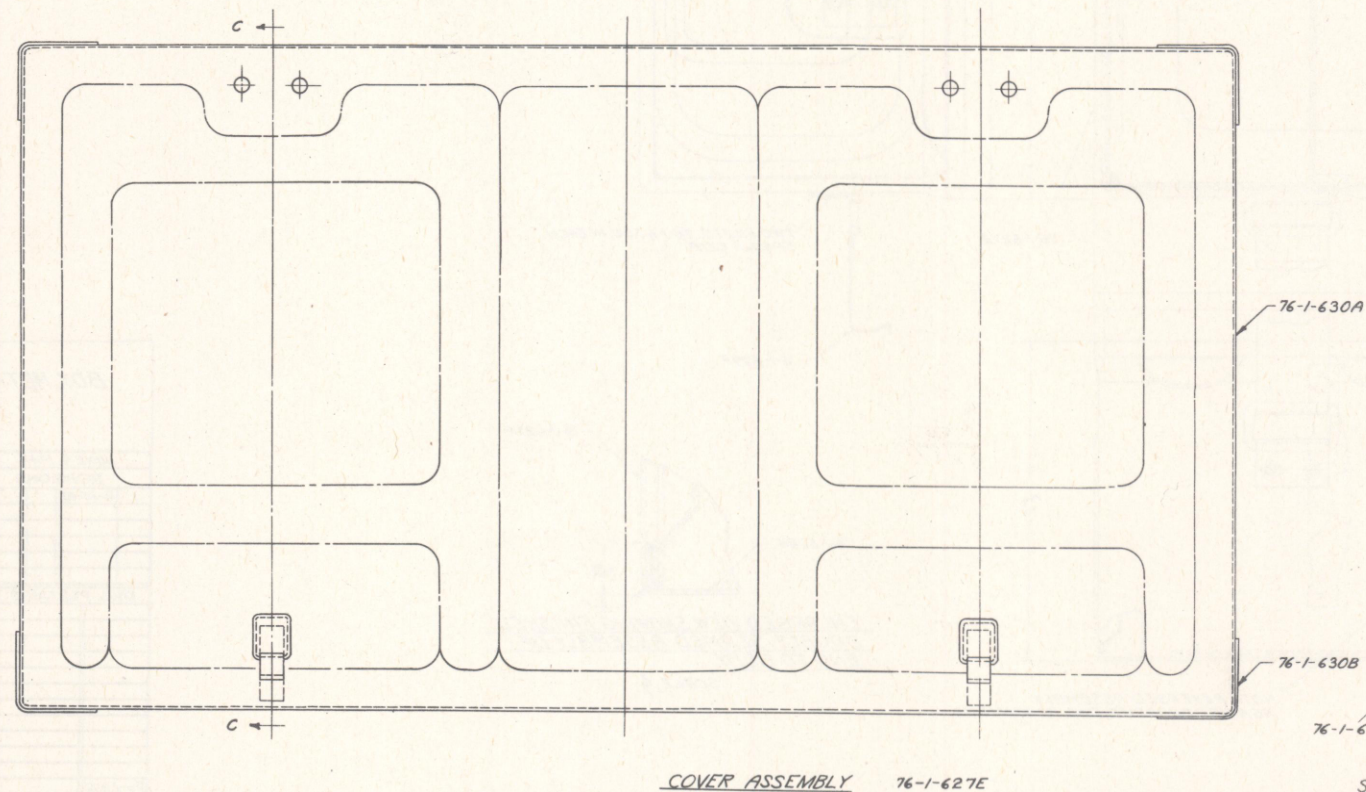
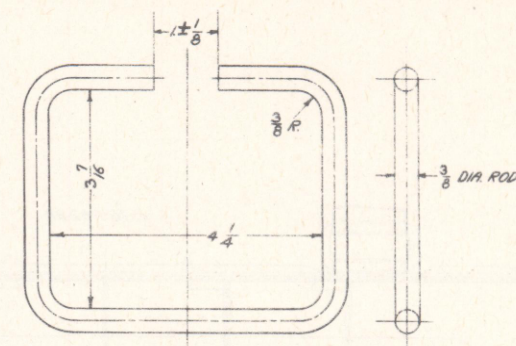
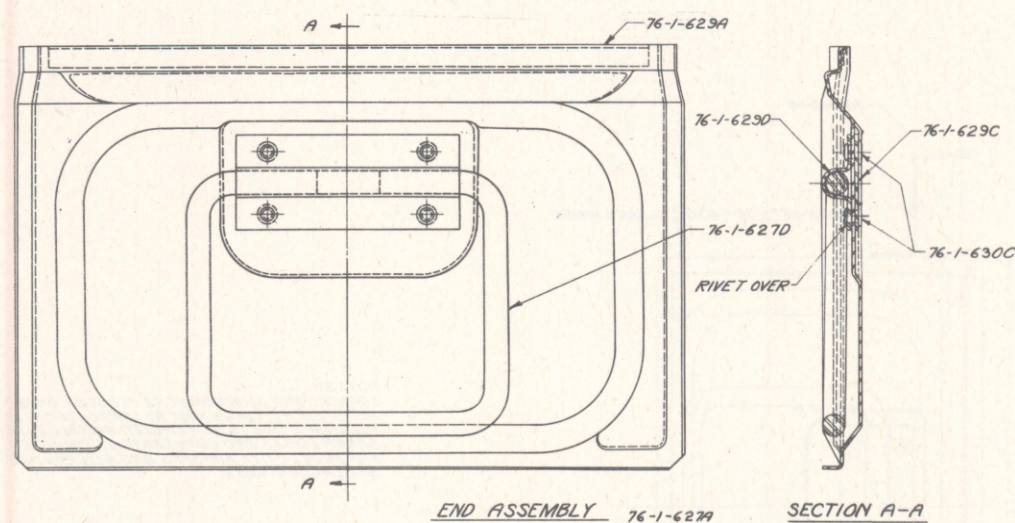
* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED, A LETTER IS AFFIXED TO ITS BASIC NUMBER. SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

BOX, METAL, AMMUNITION, M156, LIST OF PARTS AND LIST OF SPECIFICATIONS

JUNE 9, 1944		CLASS	DIVISION	DRAWING	FILE
REVISIONS		76	1	625A	
1	8-15-45				
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED					
DECIMAL ±					
FRACTIONAL ±					
ANGULAR ±					
DRG. PERTAINS TO		D'FMAN	TRACER	ENGINEER	
		J.B.	P.B.	1	
		CHECKER	1	1	
		SUBMITTED			
		L.T. WALLING, ORDN. DEPT. U.S.A.			
		EXAMINED:			
		L.T. WALLING			
		ORD. DEPT. U.S.A.			
		APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:			
		C.S. Reed			
		COL., ORDN. DEPT. U.S.A.			
76-1-625					
D		ORDNANCE DEPT., U.S.A.			



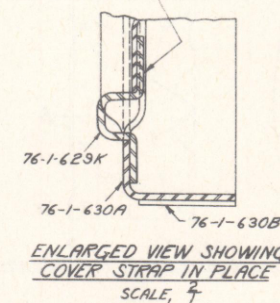
BOX, METAL, AMMUNITION, M156, ASSEMBLY					
JUNE 9, 1944.		CLASS	DIVISION	DRAWING	FILE
REVISIONS		76	1	626	
1	8-15-43	TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED DECIMAL ± FRACTIONAL ± ANGULAR ±			
DRG. PERTAINS TO		DRAWING U.S. <i>W.B.</i>	TRACER	ENGINEER <i>R.L.</i>	
		CHECKER J.P.	DRAWING ENGINEER <i>C. Reed</i>		
		SUBMITTED: <i>Amesallagh</i> LT COL., ORG. DEPT. U.S.A.			
		EXAMINED: <i>R.C. Walling</i> ORG. DEPT. U.S.A.			
		APPROVED BY ORDER OF THE CHIEF OF ORDNANCE: <i>C.S. Reed</i> <i>by a.s.</i> COL., ORG. DEPT. U.S.A.			
76-1-625		ORDNANCE DEPT. U.S.A.			



SPOT WELD REINFORCEMENT,
CORNER 76-1-630B, TO 4 CORNERS
OF COVER, 76-1-630A

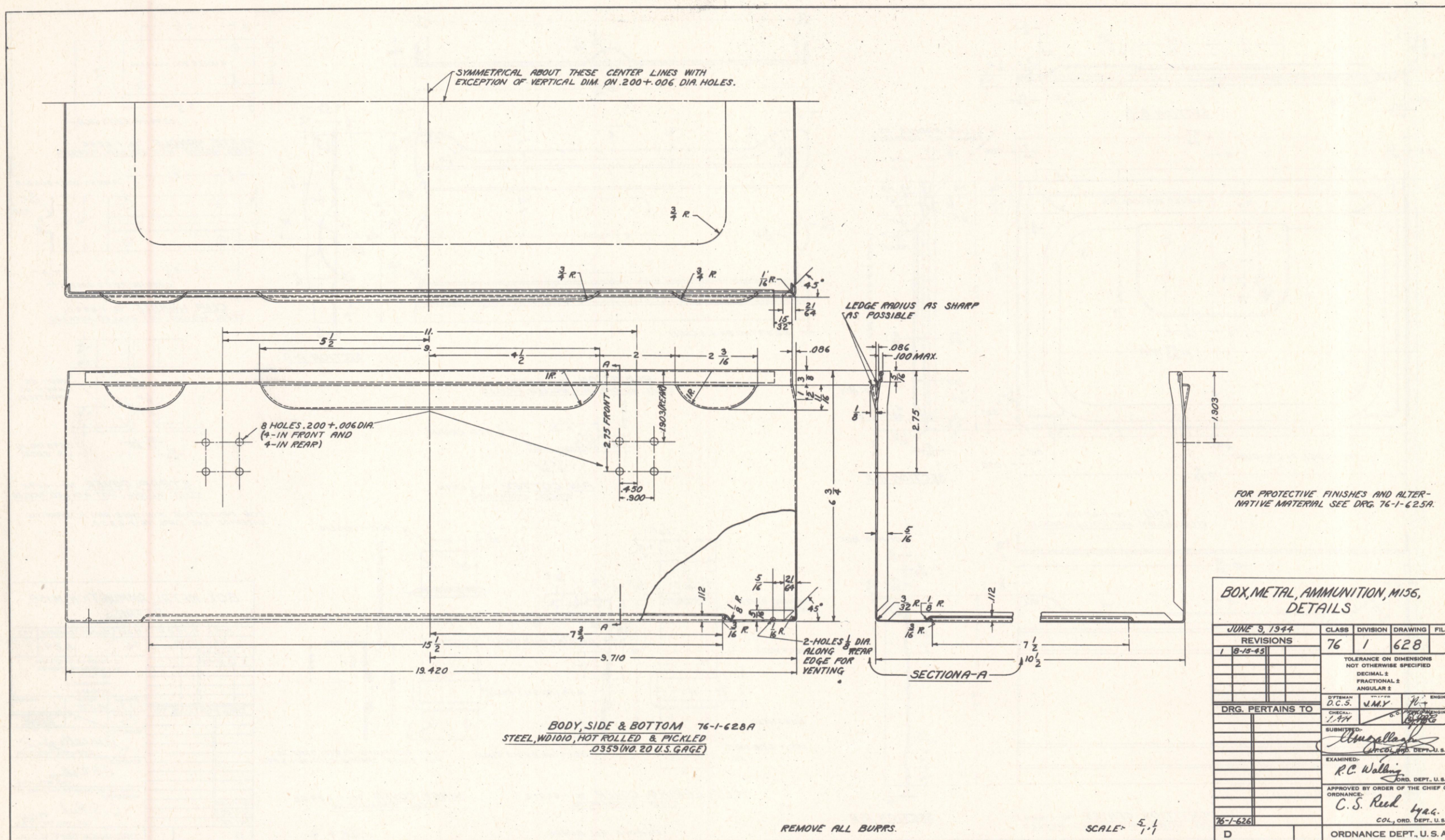
NOTES:-
ALL STEEL FITTINGS MUST BE CORRECTLY ALIGNED.
ALL BURRS ARE TO BE REMOVED AND ALL EXTERNAL
SHARP EDGES AND CORNERS ARE TO BE ROUNDED
FOR PROTECTIVE FINISHES AND ALTERNATIVE
MATERIAL; SEE DRG. 76-1-625A.

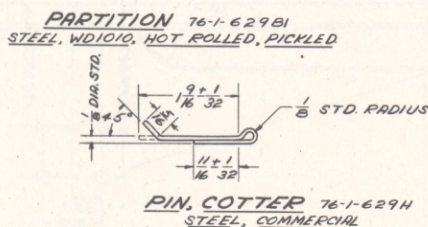
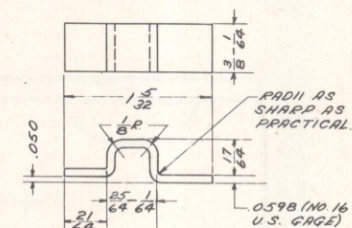
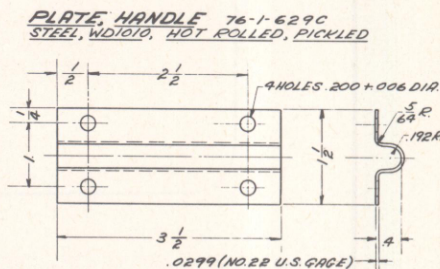
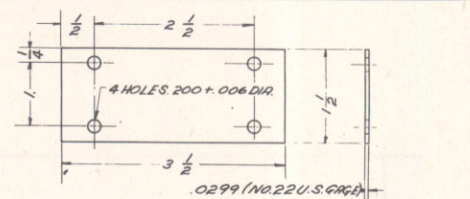
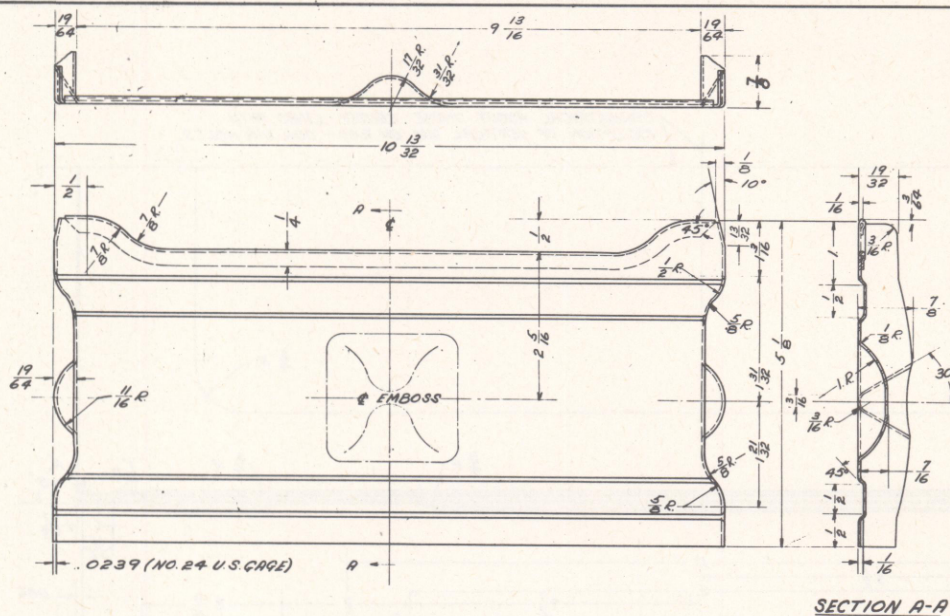
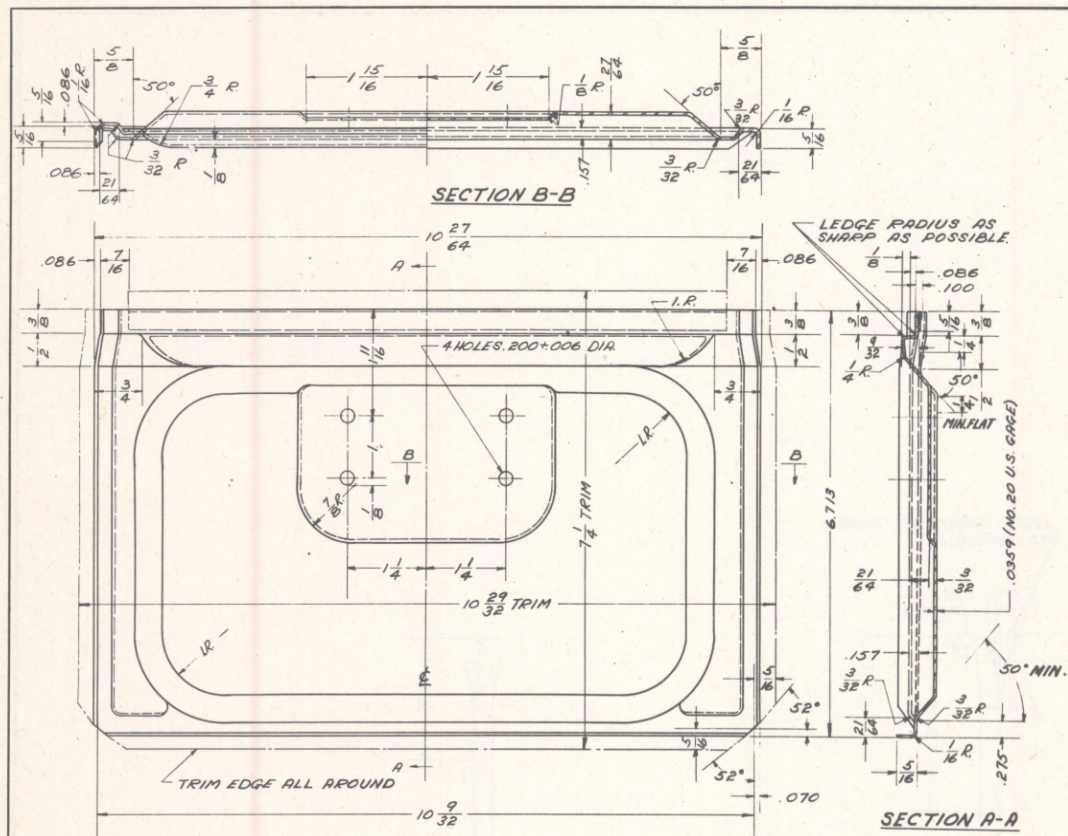
SPOTWELD STRAP, COVER, 76-1-629K,
TO COVER, 76-1-630A



BOX, METAL, AMMUNITION, M156, ASSEMBLY

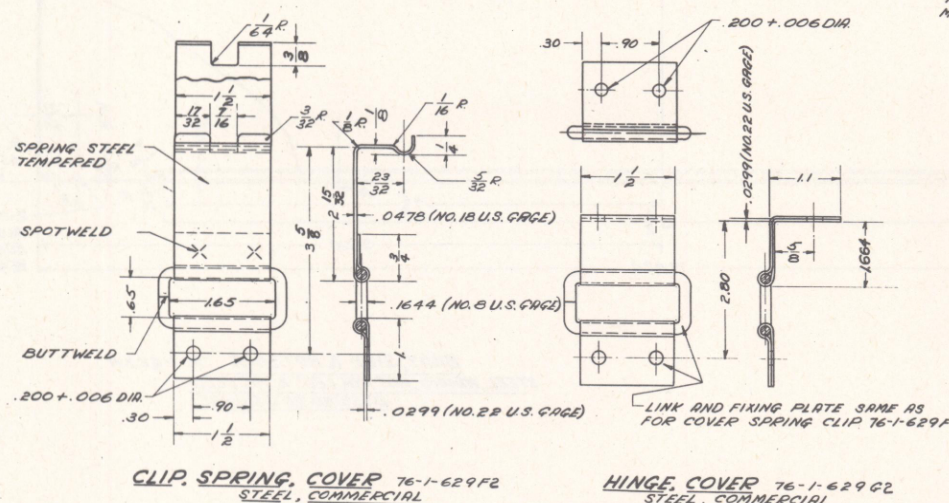
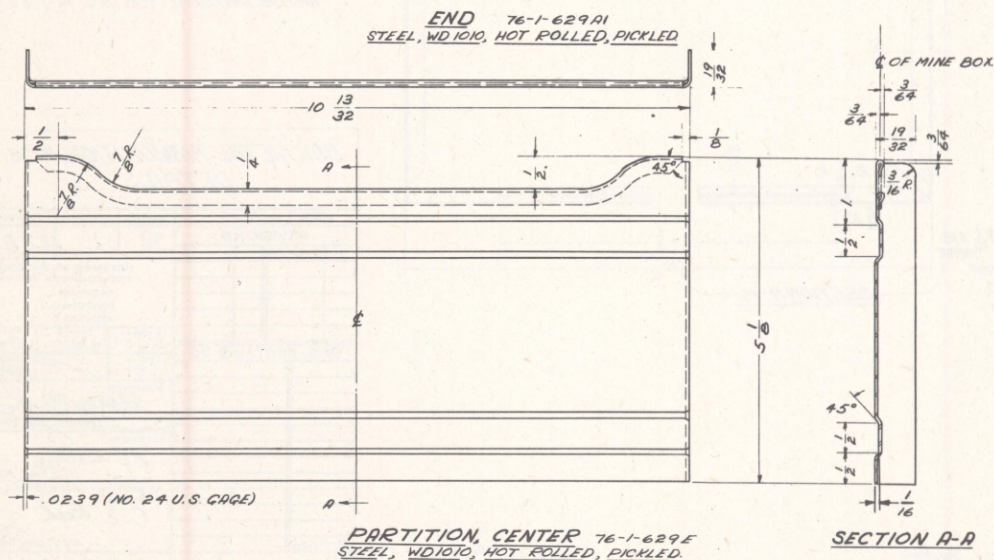
JUNE 9, 1944		CLASS	DIVISION	DRAWING	FILE
REVISIONS		76	1	627	
1	18-15-45				
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED					
DECIMAL ±					
FRACTIONAL ±					
ANGULAR ±					
DRG. PERTAINS TO		J.B.	J.M.Y.	R.	ENGINEER
CHECKER		C. S. Read			
SUBMITTED		C. S. Read			
EXAMINED		C. S. Read			
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE		C. S. Read			
76-1-625		COL, ORD. DEPT. U.S.A.			
D		ORDNANCE DEPT., U.S.A.			





STRAP COVER 76-1-629K
STEEL, WD1010, HOT ROLLED, PICKLED

FOR PROTECTIVE FINISHES AND ALTERNATIVE MATERIAL SEE DRG. 76-1-625A

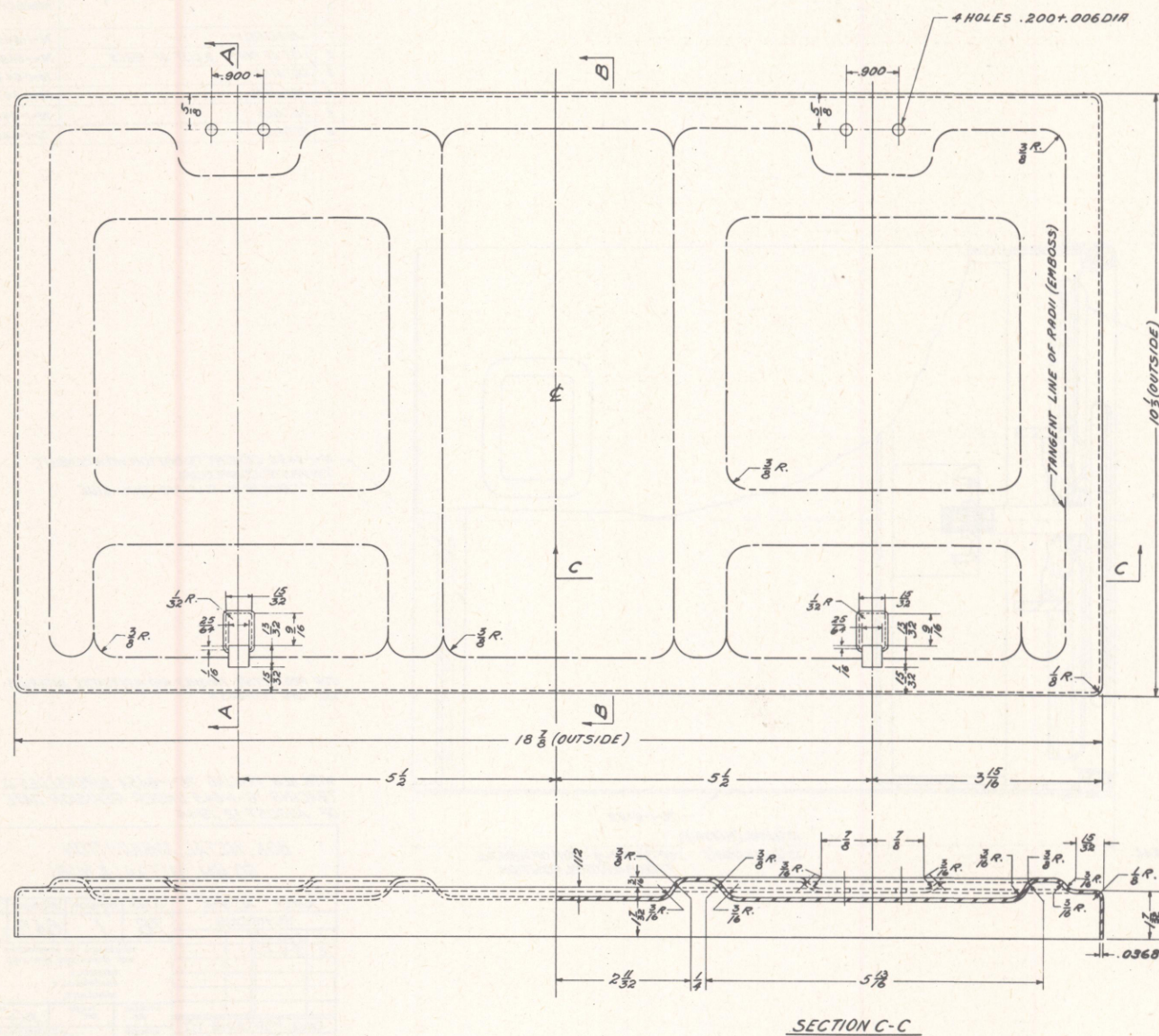


REMOVE ALL BURRS.

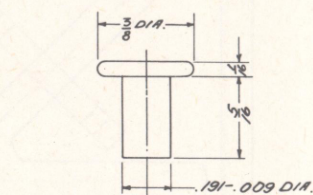
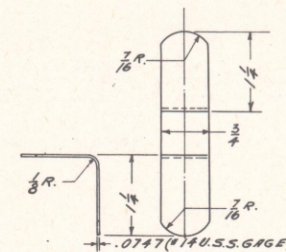
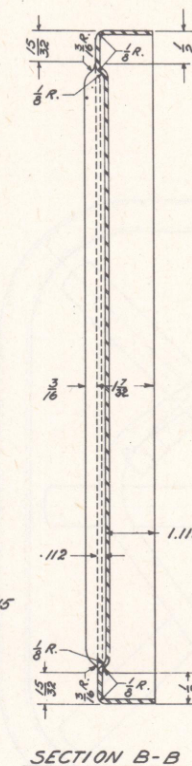
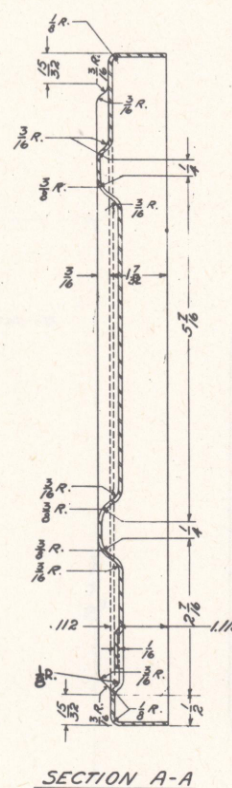
SCALE, 1/2"

BOX, METAL, AMMUNITION, M156, DETAILS				
JUNE 9, 1944	CLASS	DIVISION	DRAWING	FILE
REVISIONS	76	1	629	
1 9-18-44				
2 8-15-45				
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED				
DECIMAL ±				
FRACTIONAL ±				
ANGULAR ±				
DRG. PERTAINS TO				
SUBMITTED				
EXAMINED				
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE				
C. S. Reed by W. K.				
ORDNANCE DEPT., U.S.A.				

24791 88



COVER 76-1-630A2
STEEL, W.D.1010, HOT ROLLED, PICKLED



FOR PROTECTIVE FINISHES AND ALTERNATIVE MATERIAL SEE DRG. 76-1-625A

REMOVE ALL BURRS.

SCALE, 1/4"

JUNE, 9, 1944			
CLASS	DIVISION	DRAWING	FILE
76	1	630	
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED			
DECIMAL ±			
FRACTIONAL ±			
ANGULAR ±			
DRG. PERTAINS TO			
SUBMITTED			
EXAMINED			
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE			
C.S. Reed u.s.a.			
COL., ORD. DEPT. U.S.A.			
ORDNANCE DEPT., U.S.A.			

77791

LIST OF PARTS										
LINE NO.	NAME OF PART	NUMBER REQD. PER COMPLIMENT	PIECEMARK	MATERIAL				APPROXIMATE UNIT WEIGHT (POUNDS)	APPROXIMATE GROSS WT. OF BULK STOCK REQUIRED ASSEMBLED	REMARKS
				SIZE OR FORM	KIND	GRADE	SPEC. NUMBER			
1	ASSEMBLY		76-1-645A				AXS-1183			(f)
2	BODY ASSEMBLY		76-1-646B							(a)
3	COVER ASSEMBLY		76-1-647A							(a)
4	HANDLE ASSEMBLY		76-1-647D							(a)(d)(g)
5	SEPARATOR BAND ASSEMBLY		76-1-648B							
6	ANGLE, IRON, COVER ASSEMBLY	2	76-1-647H	STRIP	STEEL, H.R.	WD 1010	57-136			(b)
7										
8	BAND, SEPARATOR	1	76-1-648A	STRIP	STEEL, H.R., ANNEALED & PICKLED	WD 1010	57-136			(b)
9	BODY	1	76-1-646A	SHEET	STEEL, H.R., ANNEALED & PICKLED	WD 1010	57-136			(b)
10	BOTTOM	1	76-1-649A	SHEET	STEEL, H.R., ANNEALED & PICKLED	WD 1010	57-136			(b)
11	BRACKET	2	76-1-649C	STRIP	STEEL, H.R., ANNEALED & PICKLED	WD 1010	57-136			(b)
12	BRACKET, BOLT	1	76-1-649D	STRIP	STEEL, H.R., ANNEALED & PICKLED	WD 1010	57-136			(b)
13										
14	CLIP, SEALING	2	76-1-647F	STRIP	STEEL, H.R., ANNEALED & PICKLED	WD 1010	57-136			(b)
15	COVER	1	76-1-647C	SHEET	STEEL, H.R., ANNEALED & PICKLED	WD 1010	57-136			(b)
16										
17	GASKET	1	76-1-643B	EXTRUDED OR SHEET	SPONGE RUBBER, BUNA S	RS 13A-B-F	AXS-1285			
18										
19	HANDLE	1	76-1-647E	WIRE	STEEL, COLD DRAWN	WD 1010	57-107			
20										
21	PAD, BOTTOM	1	76-1-649C	SHEET	FELT, TYPE I	CLASS B	8-144			
22	PAD, COVER (CENTER)	2	76-1-647L	SHEET	FELT, TYPE I	CLASS B	8-144			
23	PAD, COVER (SIDE)	2	76-1-647K	SHEET	FELT, TYPE I	CLASS B	8-144			
24	PIN, COTTER	1	76-1-647B	AX 3-16	STEEL		COMMERCIAL			
25										
26	STUD, HANDLE	1	76-1-647G	BAR	STEEL, HOT ROLLED	WD 1010	57-107			(b)
27										
28	WASHER	1	76-1-647M		STEEL		COMMERCIAL			(g)(d)(u)
29	WASHER, RUBBER	1	76-1-647N	EXTRUDED	RUBBER, BUNA-N	SC 717 B-E-F	80-116			(e)
30					LACQUER ENAMEL, BLACK	I	3-162			
31					COMPOUND, RUST PREVENTIVE	THIN FILM	AXS-673			
32										
33					ENAMEL, OLIVE DRAB	TYPE II	3-181			
34					CEMENT, TIN PASTE		COMMERCIAL			
35					PAINT, STENCIL BLACK		3-179			
36					INK, MARKING BLACK		36-2			

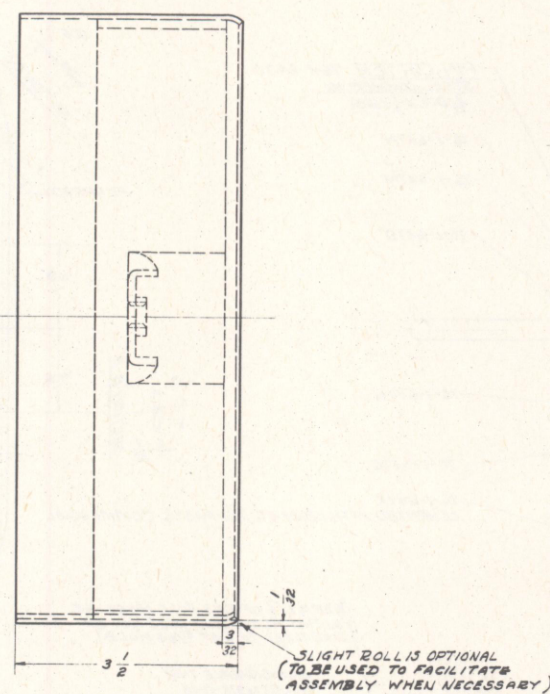
- (3) CLEAN AND PREPARE ENTIRE EXTERIOR AND INTERIOR SURFACES WITH GRADE I OR II, TYPE 5 (H) OR (b) SPEC. AXS 1245 THEN COAT WITH OLIVE DRAB RUST INHIBITING ENAMEL, TYPE II, SPEC. 3-181 (c)
- (b) ALTERNATIVE:- STEEL, WD 1010, COLD ROLLED, SMOOTH, SEMI-GLOSS, SPEC. 57-136
- (c) PRESENCE OF PAINT ON THREADED SURFACES OF BOLT BRACKET AND HANDLE STUD IS PERMISSIBLE PROVIDED HANDLE ASSEMBLY ENTERS BOLT BRACKET FREELY AT FINAL ASSEMBLY.
- (d) ALTERNATIVE FINISH:- TYPE I, CLASS LSC, SPEC. 57-0-2 IN OLIVE DRAB COLOR.
- (e) ALTERNATIVE:- RUBBER, NEOPRENE, GRADE SC-717 B-E-F
- (f) THREADED SURFACES OF HANDLE ASSEMBLY AND BOLT BRACKET TO BE COVERED WITH A THIN FILM OF RUST PREVENTATIVE COMPOUND, SPEC. AXS 673 AT FINAL ASSEMBLY.
- (g) ALTERNATIVE:- FINISH, TYPE II, CLASS B, SPEC. 57-0-2 FOLLOWED BY BLACK LACQUER ENAMEL, GRADE I, SPEC. 3-162 C

LINE NO.	LIST OF SPECIFICATIONS	SPEC. NUMBER *	REQUIRED BY
1	AMMUNITION, EXCEPT SMALL ARMS AMM., GENERAL SPEC. FOR	50-0-1	DRG. 76-1-645
2	CLEANING AND PREPARATION OF METAL SURFACES ETC.	AXS 1245	AXS 1183
3	COMPOUND, RUST PREVENTIVE, THIN FILM	AXS-673	DRG. 76-1-645
4	CONTAINERS, METAL, FOR ARTILLERY AMMUNITION	AXS-1183	DRG. 76-1-645
5	CELLULAR RUBBERS	AXS 1285	DRG. 76-1-649
6	ENAMEL, OLIVE DRAB, RUST-INHIBITING	3-181	DRG. 76-1-645
7	LACQUER ENAMEL, LUSTRELESS	3-162	DRG. 76-1-647
8	FELT, HAIR FOR PACKING	8-144	DRG. 76-1-649
9			
10	FINISHES, PROTECTIVE, FOR IRON AND STEEL PARTS	57-0-2	AXS 1245
11			
12			
13			
14	METALS, GENERAL SPECIFICATION FOR THE INSPECTION OF	QQ-M-151	57-136
15			
16	PRINTS AND RELATED MATERIALS, GENERAL SPEC. FOR	3-1	3-181
17			
18	RUBBER GOODS, GENERAL SPECIFICATIONS	22-R-801	20-116
19	RUBBER AND SYNTHETIC RUBBER, FOR GENERAL MECHANICAL ETC.	20-116	DRG. 76-1-649
20			
21	STEEL, CARBON AND ALLOY, BARS	57-107	DRG. 76-1-647
22	STEEL, CARBON AND ALLOY, SHEETS AND STRIPS	57-136	DRG. 76-1-649
23	INK, MARKING (FOR THE MARKING OF AMMUNITION)	36-2	DRG. 76-1-649
24	TEXTILE, GENERAL SPECIFICATIONS AND TEST METHODS	CCC-T-131	8-144
25	PAINT, STENCIL	3-179	DRG. 76-1-649

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER. SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREIN, SHALL NOT APPLY.

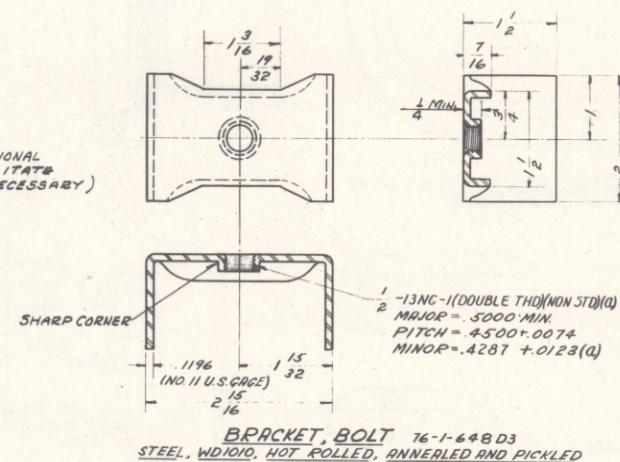
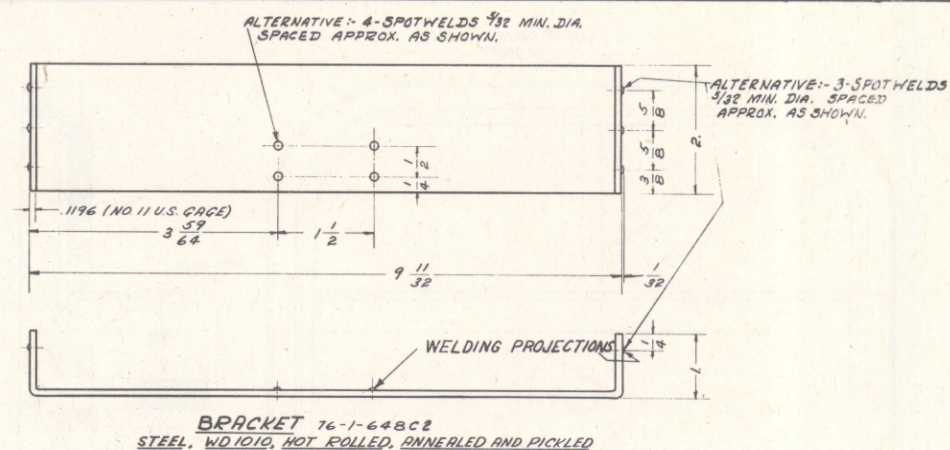
WITH NEW TRACING 76-1-645 SUPERSEDES
OLD TRACING 76-1-645 UNDER REVISION DATE
OF AUGUST 12, 1944

BOX, METAL, AMMUNITION 60 MM., M139A1 & M181			
MARCH 30, 1944		CLASS	DIVISION
REVISIONS		76	1
1	8-12-44	DRAWING	
2	5-5-45	645A	
3	8-15-45		
		TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED	
		DECIMAL ±	
		FRACTIONAL ±	
		ANGULAR ±	
DRG. PERTAINS TO		CHECKER	ENGINEER
76-1-645		CHECKER	ENGINEER
		SUBMITTED	EXAMINED
		SUBMITTED	EXAMINED
		ORD. DEPT. U.S.A.	
		APPROVED BY ORDER OF THE CHIEF OF ORDNANCE	
		C. F. Hopstetter COL., ORD. DEPT. U.S.A.	
D		ORDNANCE DEPT., U.S.A.	



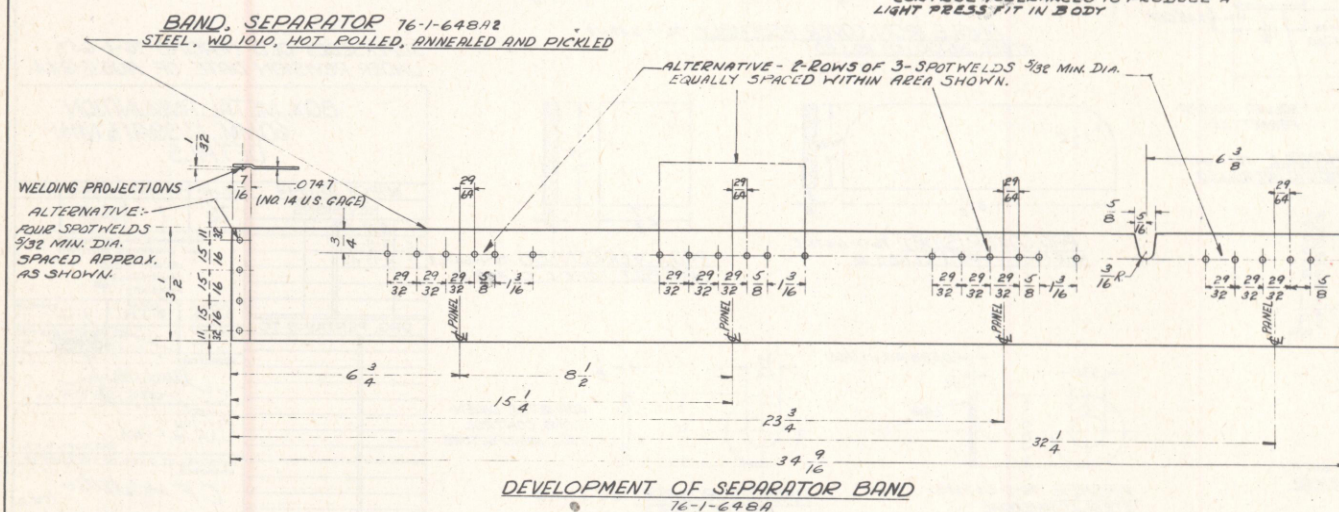
SEPARATOR BAND ASSEMBLY 76-1-64882

NOTE:-
CONTROL TOLERANCES TO PRODUCE A
LIGHT PRESS FIT IN BODY



FOR ALTERNATIVE MATERIALS AND PROTECTIVE
FINISHES SEE DRG. 76-1-645A

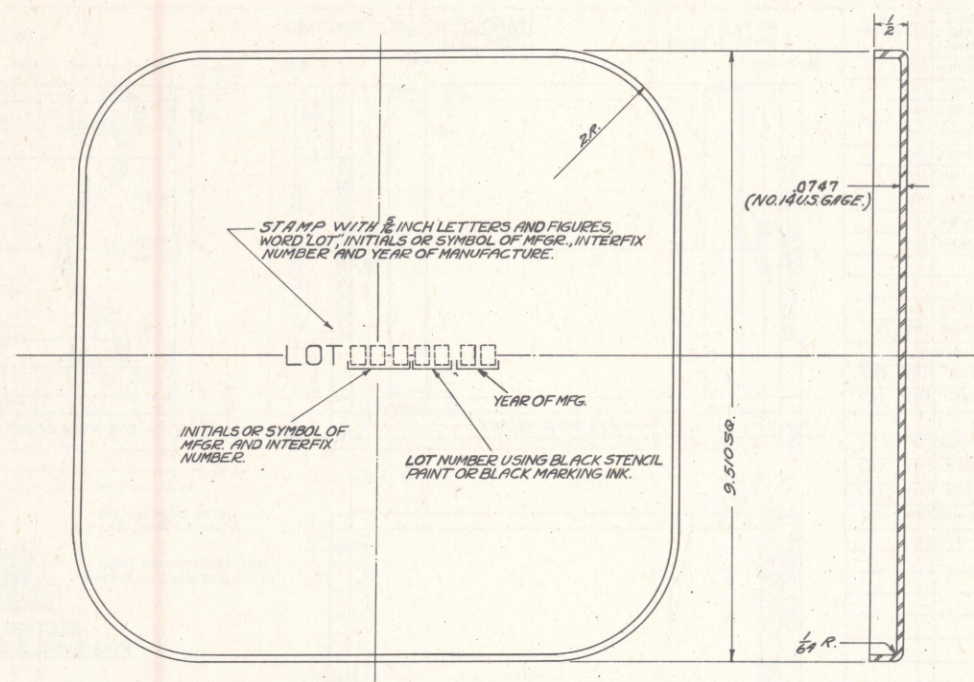
SUPERSEDES OLD TRACING 76-1-648
UNDER REVISION DATE OF AUG.12,1944



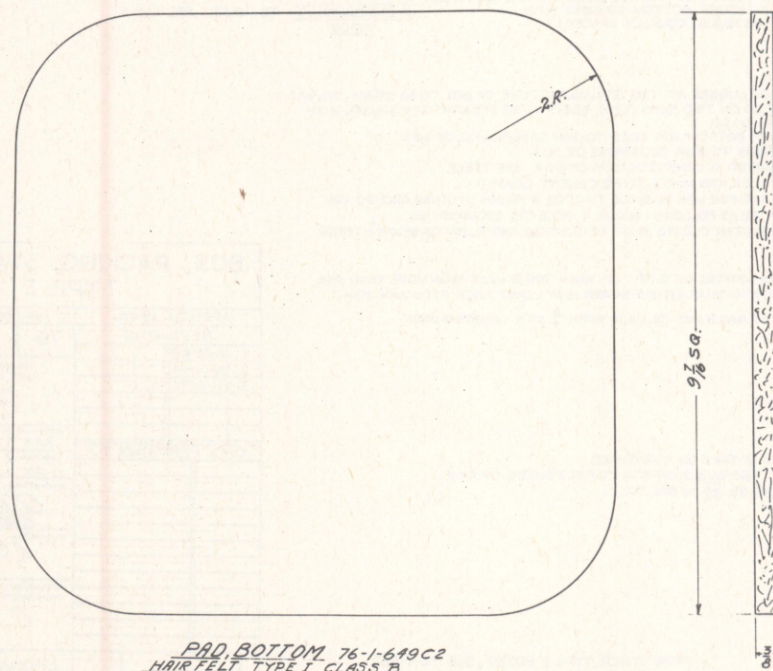
DEVELOPMENT OF SEPARATOR BAND
76-1-648A

SCALE, $\frac{1}{2}$, $\frac{1}{1}$

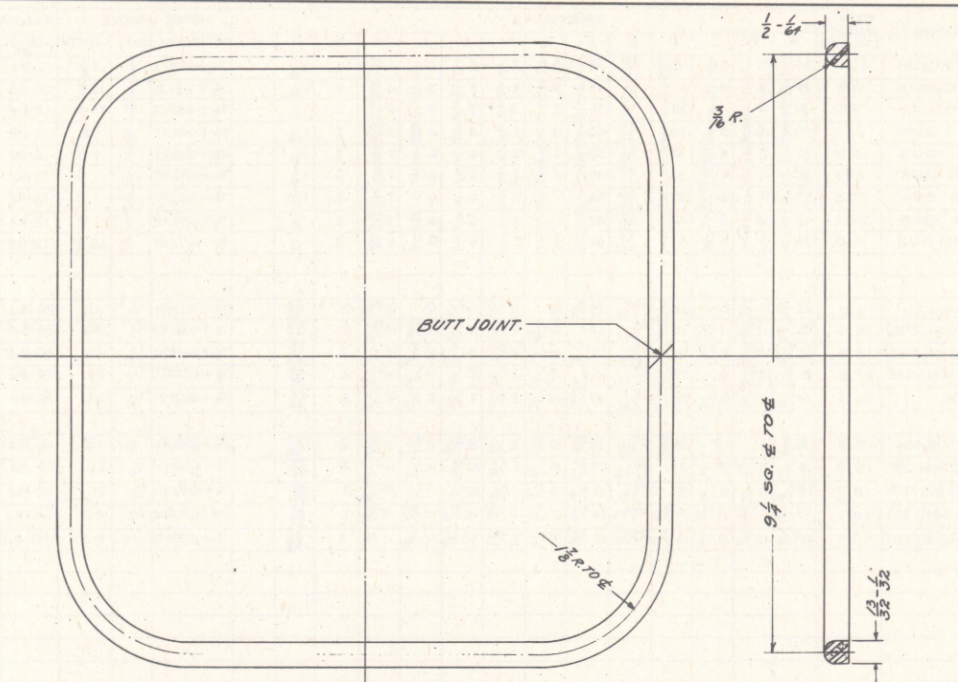
BOX, METAL, AMMUNITION 60 MM. M139A1 & M181 DETAILS					
MARCH 30, 1944		CLASS	DIVISION	DRAWING	FILE
REVISIONS		76	1	648	
1	8-12-44	TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED DECIMAL $\pm$.010 FRACTIONAL $\pm$ $\frac{1}{64}$ ANGULAR $\pm$			
2	5-5-45				
3	6-15-45				
DRG. PERTAINS TO		D'TMBA BLK	TRACER BLK	14	ENGINE
		CHECKER <i>14</i>	0.0	PRINCIPAL ENGINEER <i>SMITH</i>	
		SUBMITTED: <i>Amgall</i> LT. COL.			
		EXAMINED: <i>C.F. Hightower</i> COL.			
		ORD. DEPT. U.S. ORD. DEPT. U.S.			
		APPROVED BY ORDER OF THE CHIEF OF ORDNANCE: <i>C.F. Hightower</i> COL., ORD. DEPT. U.S.			
76-1-645					
D		ORDNANCE DEPT., U. S. A.			



BOTTOM 76-1-649A2
STEEL, WD1010, HOT ROLLED, ANNEALED AND PICKLED



PAD, BOTTOM 76-1-649C2
HAIR FELT TYPE I CLASS B



GASKET 76-1-649B3
SPONGE RUBBER, BUNA S, GRADERS 13 A-B-F

FOR ALTERNATIVE MATERIALS AND PROTECTIVE FINISHES SEE DRG. 76-1-649A

SUPERSEDES OLD TRACING 76-1-649 UNDER REVISION DATE OF AUG. 12, 1944

MARCH 30, 1944			
CLASS	DIVISION	DRAWING	FILE
76	1	649	
REVISIONS 1 8-12-44 2 5-3-45 3 8-15-45			
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED DECIMAL ± 0.005 FRACTIONAL ± 1/64 ANGULAR ± 1/2°			
DRG. PERTAINS TO DESIGNER: [Signature] CHECKER: [Signature] SUBMITTED: [Signature] EXAMINED: [Signature] APPROVED BY ORDER OF THE CHIEF OF ORDNANCE: [Signature] 76-1-649			
ORDNANCE DEPT., U.S.A.			

SCALE: 1/4"

LINE NO.	ASSEMBLY PIECEMARK	USED FOR PACKING (t)	TOTAL WEIGHT (POUNDS)	DIMENSIONS																	ROPE HANDLE			NAILS (MIN. NUMBER REQ'D & SIZE)					PACKING & MARKING DRAWING	REMARKS
				A	B	C	D	E	F	G	H	K	L	M	N	P	R	PIECEMARK	DIA.	LENGTH	SIDES TO ENDS AND CLATS	CLATS TO ENDS	CLATS TO TOP	BOTTOM TO ENDS						
1	76-1-652A1	AMM. FOR 76 MM GUN	17.5	34 1/8	8 1/8	4 1/8	36 1/8	32 1/8	38 1/8	9 1/8	2 1/8	5 1/8	5 1/8	6 1/8	2 1/8	1 1/8		76-1-652AZ	1/2	15 1/2	12-8d	16-6d	12-6d	10-8d	20-4-388A	(n)				
2	76-1-652B1	AMM. FOR 76MM GUN	15.5	29 1/8	8 1/8	4 1/8	31 1/8	32 1/8	33 1/8	9 1/8	2 1/8	5 1/8	5 1/8	6 1/8	2 1/8	1 1/8		76-1-652BZ	1/2	15 1/2	12-8d	16-6d	12-6d	10-8d	20-4-388B	(n)				
3	76-1-652C1	AMM. FOR 76 MM GUN	16.0	30 1/4	8 1/8	4 1/8	32 1/8	32 1/8	34 1/8	9 1/8	2 1/8	5 1/8	5 1/8	6 1/8	2 1/8	1 1/8		76-1-652CZ	1/2	15 1/2	12-8d	16-6d	12-6d	10-8d	20-4-388C	(n)				
4	76-1-652D1	AMM. FOR 3IN. GUN	24.2	38 1/8	10 1/8	5 1/8	40 1/8	32 1/8	42 1/8	12 1/8	2 1/8	6 1/8	6 1/8	7 1/8	2 1/8	1 1/8		76-1-652DZ	1/2	18	12-8d	16-6d	14-6d	12-8d	20-4-388D	(n)				
5	76-1-652E1	AMM. FOR 3IN. GUN	19.9	33 1/8	9 1/8	4 1/8	35 1/8	32 1/8	36 1/8	11 1/8	2 1/8	6 1/8	6 1/8	7 1/8	2 1/8	1 1/8		76-1-652EZ	1/2	18	12-8d	16-6d	12-6d	12-8d	20-4-388E	(n)				
6	76-1-652F1	AMM. FOR 3IN. GUN	21.4	36 1/2	9 1/2	4 1/8	38 1/8	32 1/8	40 1/8	11 1/8	2 1/8	6 1/8	6 1/8	7 1/8	2 1/8	1 1/8		76-1-652FZ	1/2	18	12-8d	16-6d	12-6d	12-8d	20-4-388F	(n)				
7	76-1-652G1	AMM. FOR 3IN. GUN	20.8	35 1/8	9 1/8	4 1/8	37 1/8	32 1/8	38 1/8	11 1/8	2 1/8	6 1/8	6 1/8	7 1/8	2 1/8	1 1/8		76-1-652GZ	1/2	18	12-8d	16-6d	12-6d	12-8d	20-4-388G	(n)				
8	76-1-652H1	AMM. FOR 3IN. GUN	24.2	38 1/8	10 1/8	5 1/8	40 1/8	32 1/8	42 1/8	12 1/8	2 1/8	6 1/8	6 1/8	7 1/8	2 1/8	1 1/8		76-1-652HZ	1/2	18	12-8d	16-6d	14-6d	12-8d	20-4-388H	(n)				
9	76-1-652K1	AMM. FOR 76MM GUN	16.9	33 1/4	8 1/8	4 1/8	35 1/8	32 1/8	36 1/8	9 1/8	2 1/8	5 1/8	5 1/8	6 1/8	2 1/8	1 1/8		76-1-652KZ	1/2	15 1/2	12-8d	16-6d	12-6d	10-8d	20-4-388K	(n)				
10																														
11																														
12	76-1-652N1	BLANK AMM., 90 MM GUN	18.0	22 3/8	11 3/8	8 1/8	24 3/8	25 3/8	25 3/8	13 3/8	2 1/4	9 3/4	10 3/4	10 3/4	2 1/4	1 1/4		76-1-652NZ1	1/2	20.	20-8d	20-7d	14-6d	12-8d	20-4-119	(n)				
13	76-1-652P2	AMM. FOR 37 MM GUN (T-32)	18.4	13 7/8	11 3/8	11 1/8	15 7/8	25 3/8	17 3/8	13 3/8	2 5/8	12 7/8	12 7/8	13 7/8	2 1/4	1 1/4		76-1-652PZ1	1/2	20.	24-8d	24-6d	14-6d	14-8d	20-4-455	(m) (h)				
14	76-1-652R2	AMM. FOR 37 MM GUN (T-32)	14.8	12 3/8	10 3/8	8 3/8	14 3/8	25 3/8	15 1/8	12 3/8	2 5/8	10 3/8	10 3/8	11 3/8	2 1/4	1 1/4		76-1-652RZ1	1/2	20.	20-8d	20-6d	14-6d	12-8d	20-4-487	(m)				
15	76-1-652S1	ROCKET, H.E., AT, 2.36 IN. M6A3	27.0	22 3/8	13 3/8	9 3/8	23 3/8	25 3/8	25 3/8	15 3/8	2 5/8	10 3/8	11 3/8	11 3/8	2 1/4	1 1/4		76-1-652SZ1	1/2	21.	20-8d	24-6d	16-8d	16-8d	GA 2355	(n) (h)				
16	76-1-652T1	ROCKET, 4.6 IN. M8	30.0	34 1/4	12 3/8	6 1/2	35 3/8	25 3/8	37 3/8	14 3/8	2 5/8	7 3/8	8 1/8	8 3/8	2 1/4	1 1/4		76-1-652TZ1	1/2	21.	16-8d	20-6d	18-6d	14-8d	GA 2356	(n) (h)				
17																														
18	76-1-652W1	BLOCKS, DEMOLITION, M4	12.5	16 3/8	11 3/8	7 3/8	18 3/8	25 3/8	19 3/8	10 3/8	2 1/4	8 3/8	8 3/8	9 3/8	2 1/4	1 1/4		76-1-652WZ1	1/2	18.	16-8d	16-6d	12-6d	10-8d	20-4-406	(m)				
19	76-1-652X1	ROCKET SMOKE (WP) 2.36 IN. T26E1	19.3	19 1/8	13 3/8	9 3/2	21 3/8	22 3/8	22 3/8	15 3/8	2 5/8	10 3/8	11 3/8	11 3/8	2 1/4	1 1/4		76-1-652XZ1	1/2	21.	20-8d	24-6d	16-6d	16-8d	GA 2355	(n) (h)				
20	76-1-652Z1	ROCKET SMOKE (HC) 2.36 IN. T27E1	18.7	18 1/8	13 3/8	9 3/2	20 3/8	21 3/8	21 3/8	15 3/8	2 5/8	10 3/8	11 3/8	11 3/8	2 1/4	1 1/4		76-1-652ZZ1	1/2	21.	20-8d	24-6d	16-6d	16-8d	GA 2355	(n) (h)				
21	76-1-652AB2	AMM. FOR 37MM GUN (T-32)	18.	13 1/4	11 3/8	11 1/8	14 3/8	25 3/8	16 3/8	13 3/8	2 5/8	12 3/8	12 3/8	13 3/8	2 1/4	1 1/4		76-1-652AY2	1/2	20	24-8d	24-6d	14-6d	14-8d	20-4-455	(m) (h)				
22	76-1-652BB2	AMM. FOR 37MM GUN (T-32)	14.5	11 3/8	10 3/8	8 3/8	13 3/8	25 3/8	15 3/8	12 3/8	2 5/8	10 3/8	10 3/8	11 3/8	2 1/4	1 1/4		76-1-652BY2	1/2	20	20-8d	20-6d	14-6d	12-8d	20-4-487	(m)				
23																														
24																														
25																														
26																														
27																														
28																														
29																														
30																														
31																														
32																														

(t) FOR DETAILED INFORMATION SEE PACKING AND MARKING DRAWINGS.
(h) TROPICAL PACKING

LIST OF PARTS										
LINE NO.	NAME OF PART	NO REQD PER COMPONENT	PIECE-MARK	SIZE OR FORM	MATERIAL	SPEC. NUMBER	APPROX. UNIT WEIGHT (POUNDS)	APPROX. GROSS WT OF RAW STOCK PER 1000 ASSEMBLIES	REMARKS	
1	ASSEMBLY		(b)			50-62-4	(b)			
2	HANDLE	2	(b)		ROPE, JUTE, TYPE I	AXS-902				
3	FITTINGS, ASSEMBLY	2	76-0-47A				.25			
4										
5										
6			(b)	8d	NAILS, BOX, STEEL WIRE	COMMERCIAL				
7										
8			(b)	8d	NAILS, BOX, STEEL WIRE	COMMERCIAL				
9			8	NO. 7x 1/2 LONG	SCREWS, WOOD, F. H. STEEL	COMMERCIAL				
10										
11										
LINE NO.	LIST OF SPECIFICATIONS					SPEC. NUMBER #	REQUIRED BY			
1	AMMUNITION, EXCEPT SMALL ARMS AMMUNITION GENERAL SPEC. FOR					50-0-1	76-1-652			
2										
3	PACKING BOXES AND CRATES, ARTILLERY AMMUNITION AND BOMBS, WOOD					50-62-4	76-1-652			
4										
5	ROPE, JUTE					AXS-902	76-1-652			
6										
7										
8										
9										
10										

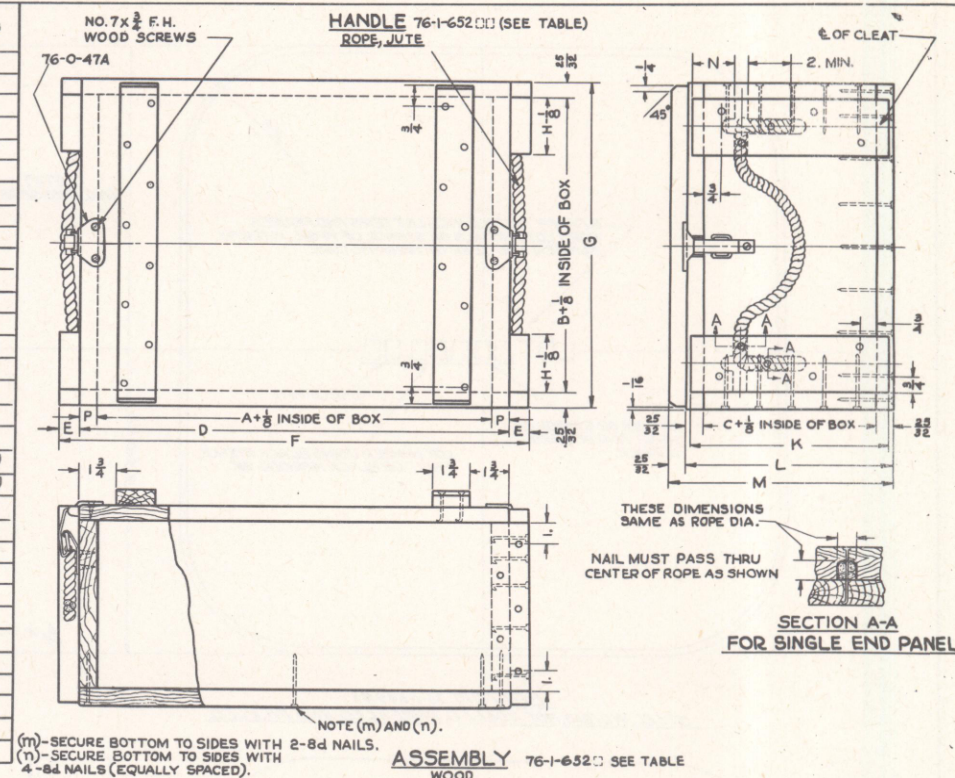
THE SPECIFICATION WHEN A SPECIFICATION SHALL NOT A (b) SEE TABL

LIST OF SPECIFICATIONS

LINE NO.	SPEC. NUMBER	REQUIRED BY
1	AMMUNITION, EXCEPT SMALL ARMS AMMUNITION GENERAL SPEC. FOR	50-0-1
2		76-1-652
3	PACKING BOXES AND CRATES, ARTILLERY AMMUNITION AND BOMBS, WOOD	50-62-4
4		76-1-652
5	ROPE, JUTE	AXS-902
6		76-1-652
7		
8		
9		
10		

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY.
WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER.
SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON,
SHALL NOT APPLY.
(b) SEE TABLE

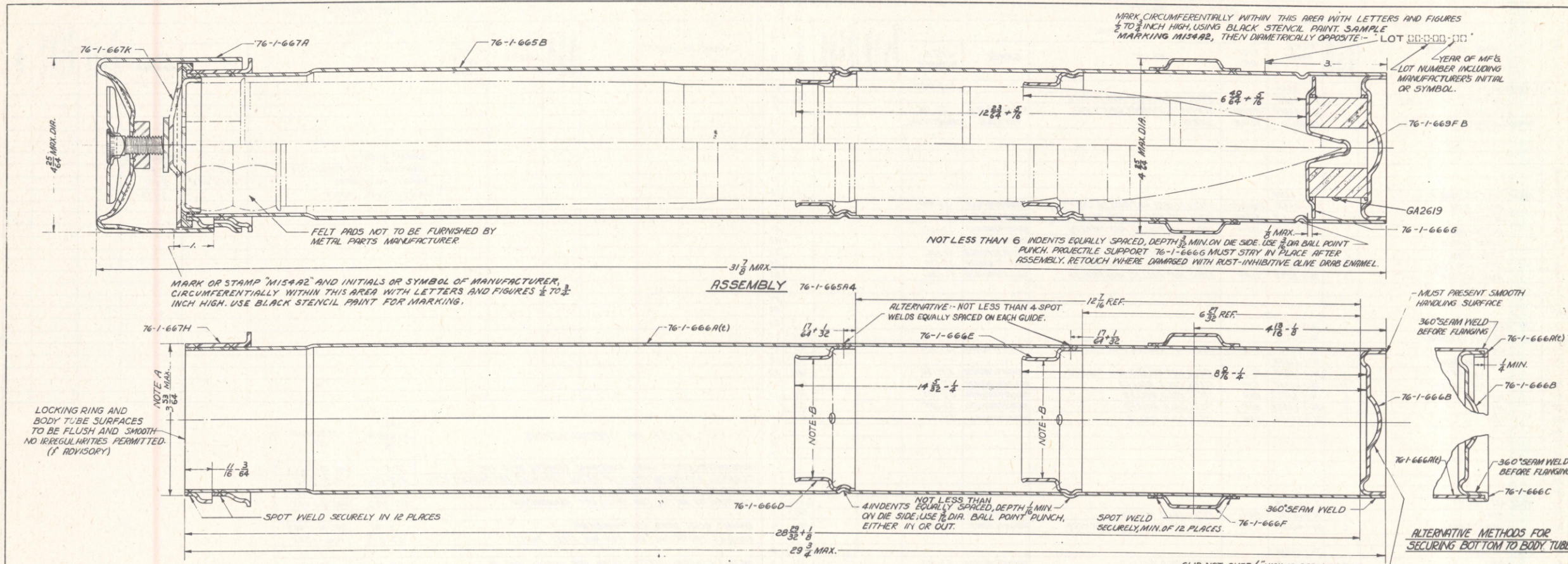
(c) ALTERNATIVE: LUMBER MAY BE SURFACED ON ONE SIDE (S1S) AND RESAWN ON THE OTHER.
EDGES TO BE STRAIGHT AND SQUARE WITH SURFACE OF LUMBER, RESAWN SURFACE TO FACE INSIDE OF BOX.
(d) ALTERNATIVE: LUMBER MAY BE 3/4 OR 1 1/8 INCHES IN THICKNESS, WHERE 3/4 IS SPECIFIED.



- NOTES:-
1. MOISTURE CONTENT OF LUMBER AT TIME OF MANUFACTURE OF BOX TO BE 12% MIN., 18% MAX.
 2. LUMBER TO BE SURFACED ON TWO SIDES (S2S), EDGES TO BE STRAIGHT AND SQUARE WITH SURFACE OF LUMBER. (c) (d)
 3. GRAIN OF WOOD IN TOP, BOTTOM AND SIDES TO RUN LENGTHWISE OF BOX.
 4. GRAIN OF WOOD IN ENDS TO RUN CROSSWISE OF BOX.
 5. FOR ALL NAILS REQUIRED IN CONSTRUCTION OF BOX, SEE TABLE.
 6. ALL NAILS, EXCEPT CLINCHED NAILS, TO BE CEMENT COATED.
 7. 8d NAILS SPECIFIED ARE FOR USE IN GROUP I WOODS, IF WOODS OF OTHER GROUPS ARE USED, NAIL SIZES MAY BE AS FOLLOWS: GROUP II AND III-7d, GROUP IV-6d.
 8. ALL NAILS USED TO FASTEN CLEATS MUST BE CLINCHED AND FLUSH OR BELOW INTERIOR SURFACE OF BOX.
 - 9.
 10. METAL FITTINGS TO BE LOCATED ON E OF TOP. WHEN TOP IS MADE FROM MORE THAN ONE PIECE, PLACE FITTINGS SO THAT EITHER SCREW IS AT LEAST 1 INCH FROM ANY JOINT.
 11. "CLEATS TO TOP" - 5d NAILS MAY BE USED WHEN 3/4 INCH LUMBER IS USED.

BOX, PACKING, STANDARD TYPE I			
APRIL 21, 1944	CLASS	DIVISION	FILE
REVISIONS	76	1	652
1 6-21-44			
2 10-6-44			
3 11-8-48			
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED DECIMAL ± FRACTIONAL ± ANGULAR ±			
DRG. PERTAINS TO		ENGINEER	
CHECKER	TRACER	ENGINEER	
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE	C. S. H. by a. a.		
ORDNANCE DEPT., U.S.A.			

FOR OTHER TYPE I BOXES, SEE 76-1-522



ASSEMBLY 76-1-665A4

BODY TUBE ASSEMBLY 76-1-665B4

FOR PROTECTIVE FINISHES AND ALTERNATIVE MATERIALS, SEE DRAWING 76-1-665A.

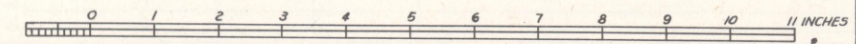
(b) LENGTHS VARY TO SUIT CONSTRUCTION. AFTER COMPLETE ASSEMBLY AND PAINTING CONTAINER MUST ACCOMMODATE AN ALIGNMENT GAGE OF FOLLOWING MIN. DIAMETERS: 3.4310 AT TOP, 3.0159 AT I.D. OF UPPER GUIDE AND 2.9500 AT I.D. OF LOWER GUIDE.

LINE NO.	LIST OF DRAWINGS	DRAWING NUMBER
1	ASSEMBLY	76-1-665
2	LIST OF PARTS AND LIST OF SPECS.	76-1-665A
3	DETAILS	76-1-666
4	CAP & COVER ASSEMBLIES & DETAILS	76-1-667
5	ACCESSORIES	76-1-668
6	ACCESSORIES	76-1-669
7		
8		
9		
10		
11		
12		

A-DIMENSION APPLIES AFTER PAINTING.

B-.015 MAX. OVALITY OR WAVES PERMITTED ABOVE MAX. DIAMETER PROVIDED NO SINGLE WAVE CONSTITUTES MORE THAN 90° OF CIRCUMFERENCE.

CONTAINER, METAL, AMMUNITION				
75 MM, M154A2 ASSEMBLY				
MAY 22, 1944		CLASS	DIVISION	DRAWING
REVISIONS		76	1	665
1	8-21-44			
2	11-3-44			
3	4-20-45			
4	8-15-45			
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED				
DECIMAL ±				
FRACTIONAL ±				
ANGULAR ±				
DRG. PERTAINS TO				
SUBMITTED				
EXAMINED				
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE				
C. S. Reed				
COL., ORG. DEPT. U.S.A.				
ORDNANCE DEPT., U.S.A.				



LIST OF PARTS											LIST OF PARTS											
LINE NO	NAME OF PART	NUMBER REQD PER ASSEMBLY	PIECE MARK	MATERIAL				APPROXIMATE UNIT WEIGHT (POUNDS)	APPROX. GROSS WT PER 1000 ASSEMBLIES (POUNDS)	REMARKS	LINE NO	NAME OF PART	NUMBER REQD PER ASSEMBLY	PIECE MARK	MATERIAL				APPROXIMATE UNIT WEIGHT (POUNDS)	APPROX. GROSS WT PER 1000 ASSEMBLIES (POUNDS)	REMARKS	
				SIZE OR FORM	KIND	GRADE	SPEC. NUMBER								SIZE OR FORM	KIND	GRADE	SPEC. NUMBER				
1	ASSEMBLY		76-1-665A				AXS-1183				69											
2	SUPPORT, PROJECTILE	1	76-1-666G	STRIP	STEEL HOT ROLLED AND PICKLED					(a)	70											
3	CUSHION	1	76-1-663FB	EXTRUDED	SYNTHETIC RUBBER COMPOUND	RS-915-A-B-F	20-116				71											
4	SPRING, SUPPORT, PROJECTILE	1	GA 2619	WIRE	STEEL	WD 1065	COMMERCIAL				72											
5											73											
6											74											
7											75											
8											76					CEMENT, RUBBER		COMMERCIAL				
9											77					COMPOUND, RUST-PREVENTIVE	LIGHT	2-84				
10	BODY TUBE ASSEMBLY		76-1-665B							(a)	78					ENAMEL, OLIVE DRAB	TYPE I OR II	3-181				
11	BODY TUBE	1	76-1-666A	TUBING	STEEL TYPE III, HOT ROLLED AND PICKLED	WD1010TDWD1020	57-180				79					PAINT STENCIL, BLACK		3-179				
12	BOTTOM	1	76-1-666B	STRIP	STEEL HOT ROLLED AND PICKLED	WD1010TDWD1020	57-136				80											
13	BOTTOM (ALT.)	1	76-1-666C	STRIP	STEEL HOT ROLLED AND PICKLED	WD1010TDWD1020	57-136				81											
14	GUIDE, UPPER	1	76-1-666D	STRIP	STEEL HOT ROLLED AND PICKLED	WD1010TDWD1020	57-136				82											
15	GUIDE, LOWER	1	76-1-666E	STRIP	STEEL HOT ROLLED AND PICKLED	WD1010TDWD1020	57-136				83											
16	BAND, STACKING	1	76-1-666F	STRIP	STEEL HOT ROLLED AND PICKLED	WD1010TDWD1020	57-136				84											
17	RING, LOCKING	1	76-1-667H	STRIP	STEEL HOT ROLLED AND PICKLED	WD1010TDWD1020	57-136				85											
18											86											
19											87											
20											88											
21	CAP ASSEMBLY		76-1-667A								89											
22	CAP AND NUT ASSEMBLY		76-1-667B							(a)(c)	90											
23	CAP	1	76-1-667C	SHEET	STEEL HOT ROLLED AND PICKLED	WD1010TDWD1020	57-136			(c)	91											
24	NUT ASSEMBLY		76-1-668FA							(c)	92											
25	JACKET	1	76-1-668FB	STRIP	STEEL HOT ROLLED AND PICKLED	WD1010TDWD1020	57-136			(d)	93											
26	NUT, JACKET	1	76-1-668FC	BAR	STEEL COLD ROLLED	WD1010TDWD1020	57-107			(d)	94											
27	NUT	1	76-1-668GA	BAR	STEEL COLD ROLLED	WD1010TDWD1020	57-107			(c)	95											
28	NUT	1	76-1-668GB	BAR	STEEL COLD ROLLED	WD1010TDWD1020	57-107			(c)												
29	NUT	1	76-1-668GC	BAR	STEEL COLD ROLLED	WD1010TDWD1020	57-107			(c)												
30																						
31																						
32																						
33																						
34																						
35																						
36	BOLT ASSEMBLY		76-1-668AA							(a)(f)												
37	BOLT	1	76-1-668AC	BAR	STEEL COLD ROLLED	WD1010TDWD1020	57-107			(e)	5											
38	HANDLE, BOLT	1	76-1-668AB	STRIP	STEEL HOT ROLLED AND PICKLED	WD1010TDWD1020	57-136			(e)	6					ENAMEL, OLIVE DRAB, RUST-INHIBITING	3-181	DRG 76-1-665				
39											7					FINISHES, PROTECTIVE, ON IRON AND STEEL PARTS	57-0-2	AXS-1245				
40	BOLT ASSEMBLY		76-1-668BA							(a)(f)	8											
41	BOLT	1	76-1-668BC	BAR	STEEL COLD ROLLED	WD1010TDWD1020	57-107			(e)	9					METALS, GENERAL SPECIFICATION FOR INSPECTION OF	QD-M-151	57-136				
42	HANDLE, BOLT	1	76-1-668BB	STRIP	STEEL HOT ROLLED AND PICKLED	WD1010TDWD1020	57-136			(e)	10											
43											11					PAINT STENCIL	3-179	DRG 76-1-665				
44	BOLT ASSEMBLY		76-1-668CA							(a)(f)	12					PAINTS AND RELATED MATERIALS, GENERAL SPEC. FOR	3-1	3-181				
45	BOLT	1	76-1-668CC	BAR	STEEL COLD ROLLED	WD1010TDWD1020	57-107			(e)	13											
46	HANDLE, BOLT	1	76-1-668CB	STRIP	STEEL HOT ROLLED AND PICKLED	WD1010TDWD1020	57-136			(e)	14					RUBBER AND SYNTHETIC RUBBER FOR GENERAL MECHANICAL, ETC.	20-116	DRG 76-1-669				
47											15					RUBBER GOODS, GENERAL SPECIFICATIONS	ZZ-R-601	20-116				
48	BOLT ASSEMBLY		76-1-668DA							(a)(f)	16											
49	BOLT	1	76-1-668DC	BAR	STEEL COLD ROLLED	WD1010TDWD1020	57-107			(e)	17					STEEL, CARBON AND ALLOY, BARS	57-107	DRG 76-1-668				
50	HANDLE, BOLT	1	76-1-668DB	STRIP	STEEL HOT ROLLED AND PICKLED	WD1010TDWD1020	57-136			(e)	18					STEEL CARBON AND ALLOY, SHEETS AND STRIPS	57-136	DRG 76-1-666				
51											19					TUBING, ROUND, MECHANICAL AND STRUCTURAL, ETC.	57-180	DRG 76-1-666				
52											20											
53											21					WELDING SYMBOLS	AXS-799	DRG 76-1-665				
54											22											
55											23											
56											24											
57											25											
58																						
59	COVER ASSEMBLY		76-1-667K							(a)												
60	COVER SEALING	1	76-1-667N	STRIP	STEEL HOT ROLLED AND PICKLED	WD1010TDWD1020	57-136															
61	RETAINER	1	76-1-667M	STRIP	STEEL HOT ROLLED AND PICKLED	WD1010TDWD1020	57-136															
62	DISC	1	76-1-667L	STRIP	STEEL HOT ROLLED AND PICKLED	WD1010TDWD1020	57-136															
63	GASKET	1	76-1-663GC	EXTRUDED OR MOLDED	SYNTHETIC RUBBER COMPOUND	RS-512-A-B-F	20-116															
64																						
65																						
66																						
67																						
68																						

LIST OF SPECIFICATIONS

SPEC. NUMBER *

REQUIRED BY

1

AMMUNITION, EXCEPT SMALL ARMS AMM., GENERAL SPEC. FOR

50-0-1

DRG 76-1-665

2

CLEANING AND PREPARATION OF METAL SURFACES FOR ORGANIC, ETC.

AXS-1245

AXS-1183

3

COMPOUND, RUST-PREVENTIVE, LIGHT

2-84

DRG 76-1-667

4

CONTAINERS, METAL, FOR ARTILLERY AMMUNITION

AXS-1183

DRG 76-1-665

5

6

ENAMEL, OLIVE DRAB, RUST-INHIBITING

3-181

DRG 76-1-665

7

FINISHES, PROTECTIVE, ON IRON AND STEEL PARTS

57-0-2

AXS-1245

8

9

METALS, GENERAL SPECIFICATION FOR INSPECTION OF

QD-M-151

57-136

10

11

PAINT STENCIL

3-179

DRG 76-1-665

12

PAINTS AND RELATED MATERIALS, GENERAL SPEC. FOR

3-1

3-181

13

14

RUBBER AND SYNTHETIC RUBBER FOR GENERAL MECHANICAL, ETC.

20-116

DRG 76-1-669

15

RUBBER GOODS, GENERAL SPECIFICATIONS

ZZ-R-601

20-116

16

17

STEEL, CARBON AND ALLOY, BARS

57-107

DRG 76-1-668

18

STEEL CARBON AND ALLOY, SHEETS AND STRIPS

57-136

DRG 76-1-666

19

TUBING, ROUND, MECHANICAL AND STRUCTURAL, ETC.

57-180

DRG 76-1-666

20

21

WELDING SYMBOLS

AXS-799

DRG 76-1-665

22

23

24

25

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY WHEN A SPECIFICATION IS REVISED, A LETTER IS AFFIXED TO ITS BASIC NUMBER. SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

NOTES:-

(a) CLEAN & PREPARE ENTIRE EXTERIOR & INTERIOR SURFACES WITH GRADE I OR II, TYPE 5(a) OR (b), SPEC. AXS-1245, THEN COAT WITH OLIVE DRAB RUST INHIBITING ENAMEL, TYPE II SPEC. 3-181. ALL THREADS TO BE COATED WITH RUST PREVENTIVE COMPOUND, LIGHT (SPEC. 2-84)

(c) ONLY ONE NUT (OR NUT ASSEMBLY) REQUIRED PER CAP AND NUT ASSEMBLY. SEE NOTE "A", DRG 76-1-667.

(d) REQUIRED ON ASSEMBLY PCMM 76-1-668FA, ONLY.

(e) REQUIRED ON RESPECTIVE BOLT ASSEMBLIES ONLY.

(f) BOLT ASSEMBLIES ARE ALTERNATIVES. (SEE NOTE "B" ON DRG 76-1-667)

CONTAINER, METAL, AMMUNITION, 75 MM, M154A2

LIST OF PARTS AND LIST OF SPECIFICATIONS

MAY 22, 1944

REVISIONS

1 11-3-44

2 4-20-45

3 8-15-45

CLASS

DIVISION

DRAWING

FILE

76

1

665A

TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED

DECIMAL

FRACTIONAL

ANGULAR

DFTSMAN

CHECKER

SUBMITTER

EXAMINER

ORD. DEPT. U.S.A.

APPROVED BY ORDER OF THE CHIEF OF ORDNANCE.

C. S. Reed

COL., INF. DEPT. U.S.A.

ORDNANCE DEPT. U.S.A.

LINE NO	LIST OF SPECIFICATIONS	SPEC. NUMBER *	REQUIRED BY
1	AMMUNITION, EXCEPT SMALL ARMS AMM., GENERAL SPEC. FOR	50-0-1	DRG 76-1-665
2	CLEANING AND PREPARATION OF METAL SURFACES FOR ORGANIC, ETC.	AXS-1245	AXS-1183
3	COMPOUND, RUST-PREVENTIVE, LIGHT	2-84	DRG 76-1-667
4	CONTAINERS, METAL FOR ARTILLERY AMMUNITION	AXS-1183	DRG 76-1-665
5			
6	ENAMEL, OLIVE DRAB, RUST-INHIBITING	3-181	DRG 76-1-665
7	FINISHES, PROTECTIVE, ON IRON AND STEEL PARTS	57-0-2	AXS-1245
8			
9	METALS, GENERAL SPECIFICATION FOR INSPECTION OF	QD-M-151	57-136
10			
11	PAINT STENCIL	3-179	DRG 76-1-665
12	PAINTS AND RELATED MATERIALS, GENERAL SPEC. FOR	3-1	3-181
13			
14	RUBBER AND SYNTHETIC RUBBER FOR GENERAL MECHANICAL, ETC.	20-116	DRG 76-1-669
15	RUBBER GOODS, GENERAL SPECIFICATIONS	ZZ-R-601	20-116
16			
17	STEEL, CARBON AND ALLOY, BARS	57-107	DRG 76-1-668
18	STEEL, CARBON AND ALLOY, SHEETS AND STRIPS	57-136	DRG 76-1-666
19	TUBING, ROUND, MECHANICAL AND STRUCTURAL, ETC.	57-180	DRG 76-1-666
20			
21	WELDING SYMBOLS	AXS-799	DRG 76-1-665
22			
23			
24			
25			

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED, A LETTER IS AFFIXED TO ITS BASIC NUMBER. SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

NOTES:

(a) CLEAN & PREPARE ENTIRE EXTERIOR & INTERIOR SURFACES WITH GRADE I OR II, TYPE S (a) OR (b), SPEC. AXS-1245, THEN COAT WITH OLIVE DRAB RUST INHIBITING ENAMEL, TYPE II, SPEC. 3-181. ALL THREADS TO BE COATED WITH RUST PREVENTIVE COMPOUND, LIGHT (SPEC. 2-84).

(c) ONLY ONE NUT OR NUT ASSEMBLY REQUIRED PER CAP AND NUT ASSEMBLY. SEE NOTE "A", DRG 76-1-667.

(d) REQUIRED ON ASSEMBLY PCMK 76-1-668FA, ONLY.

(e) REQUIRED ON RESPECTIVE BOLT ASSEMBLIES ONLY.

(f) BOLT ASSEMBLIES ARE ALTERNATIVES. (SEE NOTE "B" ON DRG 76-1-667).

CONTAINER, METAL, AMMUNITION, 75 MM, MIS4A2 LIST OF PARTS AND LIST OF SPECIFICATIONS

MAY 22, 1944

REVISIONS	CLASS	DIVISION	DRAWING	FILE
1 11-3-44	76	1	665A	
2 4-20-45				
3 8-15-45				

TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED
DECIMAL ±
FRACTIONAL ±
ANGULAR ±

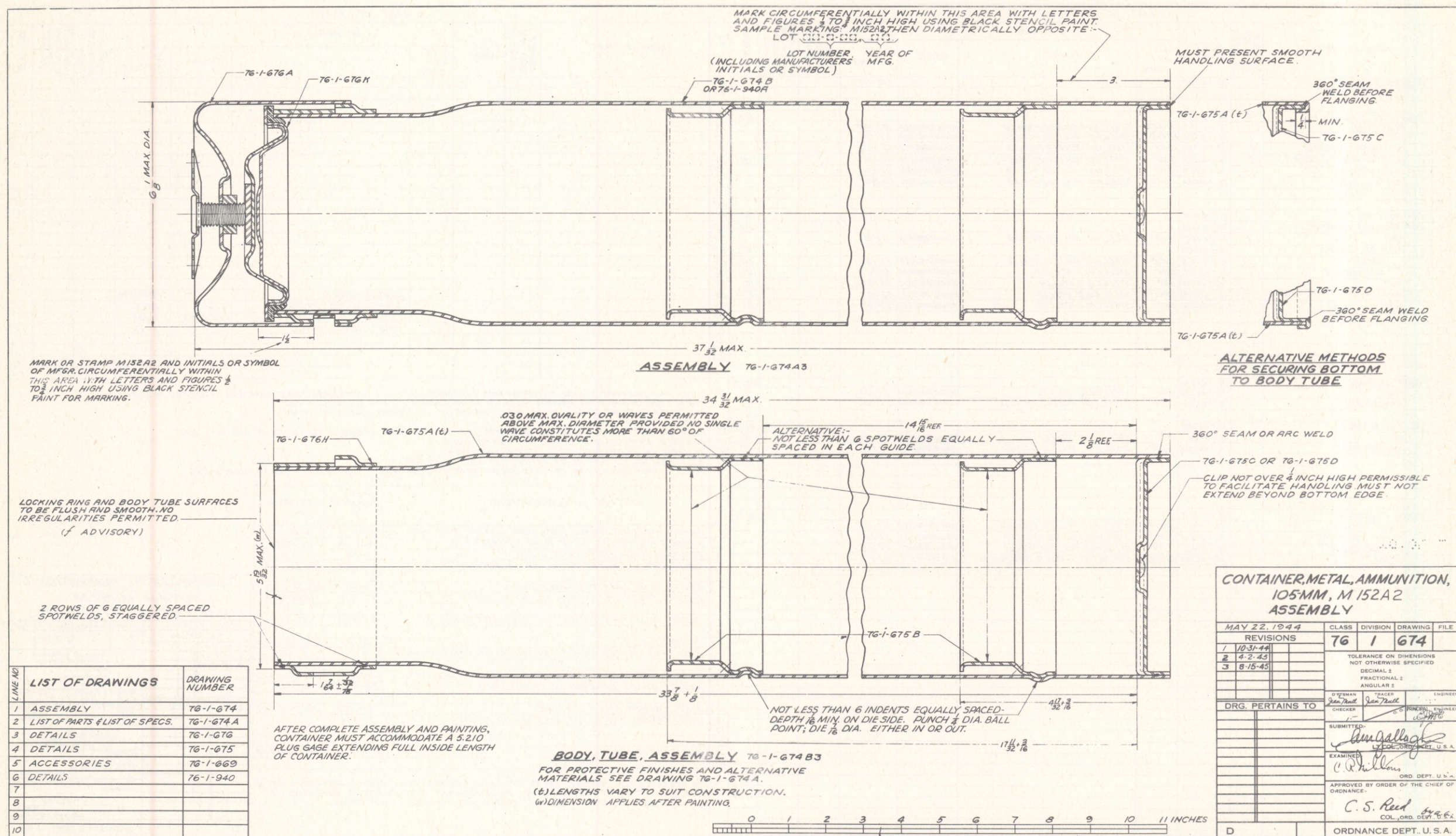
DRG. PERTAINS TO

EXAMINED

APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:

C. S. Reed
COL., ORDN. DEPT. U.S.A.

ORDNANCE DEPT., U.S.A.



LIST OF PARTS										LIST OF PARTS													
LINE NO.	NAME OF PART	NUMBER REQD PER ASSEMBLY	PIECE MARK	MATERIAL				APPROXIMATE UNIT WEIGHT (POUNDS)	APPROX GROSS WT PER 1000 ASSEMBLIES (POUNDS)	REMARKS	LINE NO.	NAME OF PART	NUMBER REQD PER ASSEMBLY	PIECE MARK	MATERIAL				APPROXIMATE UNIT WEIGHT (POUNDS)	APPROX GROSS WT PER 1000 ASSEMBLIES (POUNDS)	REMARKS		
				SIZE OR FORM	KIND	GRADE	SPEC. NUMBER								SIZE OR FORM	KIND	GRADE	SPEC. NUMBER					
1	ASSEMBLY		76-1-674A								69												
2											70												
3											71												
4	BODY TUBE ASSEMBLY		76-1-674B							(d)	72												
5	BODY TUBE	1	76-1-675A	SHEET	STEEL, HOT ROLLED, PICKLED	WD1010TOWD1020	57-136				73												
6	BOTTOM	1	76-1-675C	STRIP	STEEL, HOT ROLLED, PICKLED	WD1010TOWD1020	57-136				74												
7	BOTTOM (ALTERNATIVE)	1	76-1-675D	STRIP	STEEL, HOT ROLLED, PICKLED	WD1010TOWD1020	57-136				75												
8	GUIDE, UPPER & LOWER	2	76-1-675B	STRIP	STEEL, HOT ROLLED, PICKLED	WD1010TOWD1020	57-136			(g)	76												
9	PING, LOCKING	1	76-1-676H	STRIP	STEEL, HOT ROLLED, PICKLED	WD1010TOWD1020	57-136				77												
10	BODY TUBE (ALT.)		76-1-940A	SHEET	STEEL, HOT ROLLED, PICKLED	WD1010TOWD1020	57-136				78												
11											79												
12										(d)	80												
13	CAP ASSEMBLY		76-1-676A							(d) (C)	81												
14	CAP AND NUT ASSEMBLY		76-1-676B								82												
15	CAP	1	76-1-676C	SHEET	STEEL, HOT ROLLED, PICKLED	WD1010TOWD1020	57-136				83												
16	NUT ASSEMBLY		76-1-669CA							(C)	84												
17	JACKET	1	76-1-669CB	STRIP	STEEL, HOT ROLLED, PICKLED	WD1010TOWD1020	57-136			(d)	85												
18	NUT, JACKET	1	76-1-669CC	BAR	STEEL, COLD ROLLED	WD1010TOWD1020	57-107			(d)	86												
19	NUT	1	76-1-669DA	BAR	STEEL, COLD ROLLED	WD1010TOWD1020	57-107			(C)	87												
20	NUT	1	76-1-669DB	BAR	STEEL, COLD ROLLED	WD1010TOWD1020	57-107			(C)	88						CEMENT, RUBBER			COMMERCIAL			
21	NUT	1	76-1-669DC	BAR	STEEL, COLD ROLLED	WD1010TOWD1020	57-107			(C)	89						COMPOUND, RUST PREVENTIVE	LIGHT		2-84			
22											90						ENAMEL, OLIVE DRAB	TYPE I OR II		3-181			
23											91						PAINT, STENCIL BLACK			3-179			
24											92												
25											93												
26											94												
27											95												
28	BOLT ASSEMBLY		76-1-669AA							(d)(C)(f)													
29	BOLT	1	76-1-669AC	BAR	STEEL, COLD ROLLED	WD1010TOWD1020	57-107			(C)													
30	HANDLE, BOLT	1	76-1-669AB	STRIP	STEEL, HOT ROLLED, PICKLED	WD1010TOWD1020	57-136			(C)													
31																							
32	BOLT ASSEMBLY		76-1-669BA							(d)(C)(f)													
33	BOLT	1	76-1-669BC	BAR	STEEL, COLD ROLLED	WD1010TOWD1020	57-107			(C)													
34	HANDLE, BOLT	1	76-1-669BB	STRIP	STEEL, HOT ROLLED, PICKLED	WD1010TOWD1020	57-136			(E)													
35																							
36																							
37																							
38																							
39																							
40	COVER ASSEMBLY		76-1-676K							(b) (a)													
41	COVER SEALING	1	76-1-676N	STRIP	STEEL, HOT ROLLED, PICKLED	WD1010TOWD1020	57-136																
42	PLATE PRESSURE	1	76-1-676M	STRIP	STEEL, HOT ROLLED, PICKLED	WD1010TOWD1020	57-136																
43	REINFORCEMENT	1	76-1-676L	STRIP	STEEL, HOT ROLLED, PICKLED	WD1010TOWD1020	57-136																
44	GASKET	1	76-1-669BA	EXTRUDED	SYNTHETIC RUBBER COMPOUND	RS-512-A-B-F	20-116																
45																							
46																							
47																							
48																							
49																							
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67																							
68																							

(a) CLEAN AND PREPARE ENTIRE EXTERIOR AND INTERIOR SURFACES WITH GRADE I OR II, TYPE 5(a) OR (b), SPEC. AXS-1245, THEN COAT WITH RUST INHIBITING OLIVE DRAB ENAMEL, TYPE II (SPEC. 3-181) ALL THREADS TO BE COATED WITH RUST PREVENTIVE COMPOUND, LIGHT (SPEC. 2-84).

(c) ONLY ONE NUT (OR NUT ASSEMBLY) REQUIRED PER CAP AND NUT ASSEMBLY. (SEE NOTE "A" DRG. 76-1-676)

(d) REQUIRED ON ASSEMBLY PCMK. 76-1-669CA ONLY.

(e) REQUIRED ON RESPECTIVE BOLT ASSEMBLIES ONLY.

(f) BOLT ASSEMBLIES ARE ALTERNATIVES. (SEE NOTE "B" ON DRG. 76-1-676)

(g) UPPER & LOWER GUIDES PCMK. 76-1-675B ARE NOT TO BE USED WHEN BODY, TUBE (ALT.) 76-1-940A IS INCORPORATED.

LINE NO.	LIST OF SPECIFICATIONS		SPEC. NUMBER *	REQUIRED BY
1	AMMUNITION, EXCEPT SMALL ARMS AMM. GENERAL SPEC. FOR		50-0-1	DRG 76-1-674
2	CLEANING AND PREPARATION OF METAL SURFACES, ETC.		AXS-1245	AXS-1183
3	COMPOUND, RUST, PREVENTIVE, LIGHT		2-84	DRG 76-1-674
4	CONTAINER'S, METAL, FOR ARTILLERY AMMUNITION		AXS-1183	DRG 76-1-674
5				
6	ENAMEL, OLIVE DRAB, RUST-INHIBITING		3-181	DRG 76-1-674
7	FINISHES, PROTECTIVE, ON IRON AND STEEL PARTS		57-0-2	AXS-1245
8				
9	METALS, GEN. SPECIFICATION FOR THE INSPECTION OF		QQ-M-151	57-136
10				
11	PAINT, STENCIL		3-179	DRG 76-1-674
12	PAINT AND RELATED MATERIALS, GENERAL SPECIFICATION FOR		3-1	3-181
13				
14	RUBBER AND SYNTHETIC RUBBER FOR GENERAL MECH., ETC.		20-116	DRG 76-1-663
15	RUBBER GOODS, GENERAL SPECIFICATION		ZZ-R-601	20-116
16				
17	STEEL, CARBON AND ALLOY; BARS		57-107	DRG 76-1-663
18	STEEL, CARBON AND ALLOY; SHEETS AND STRIPS		57-136	
19				
20				
21	WELDING; SYMBOLS		AXS-793	DRG 76-1-674
22				

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER. SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON SHALL NOT APPLY.

CONTAINER, METAL, AMMUNITION
105 MM., M 152 A2
LIST OF PARTS & LIST OF SPECS.
MAY 22, 1944

CLASS	DIVISION	DRAWING	FILE
76	1	674A	

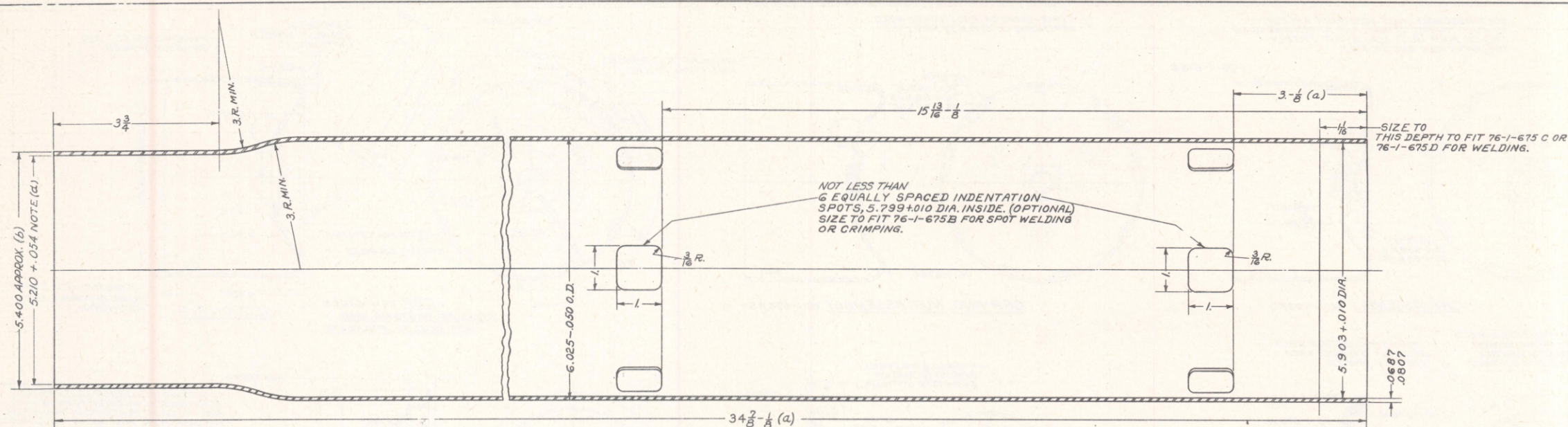
REVISIONS	
1	10-31-44
2	4-2-45
3	8-15-48

TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED
DECIMAL: 2
FRACTIONAL: 2
ANGULAR: 2

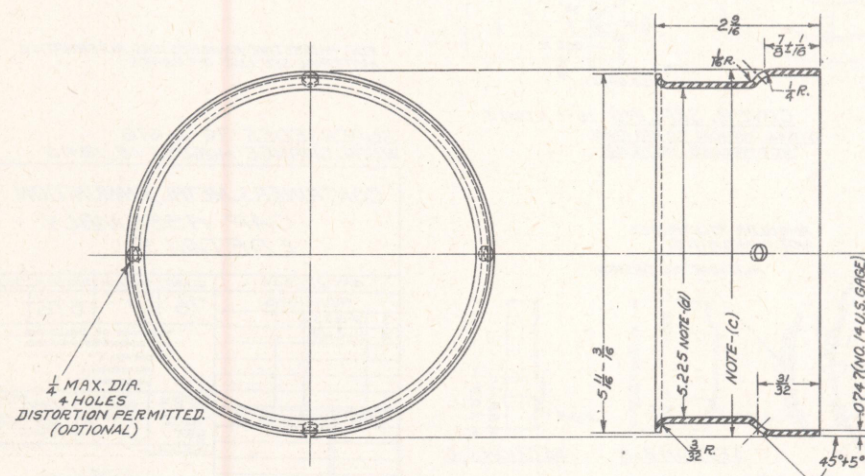
DRG. PERTAINS TO

OFFMAN: KLM
CHECKER: JMY
SUBMITTED: [Signature]
EXAMINED: C. R. Hibbons
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE: C. S. Reed
COL. ORDN. DEPT. U.S.A.

ORDNANCE DEPT. U.S.A.

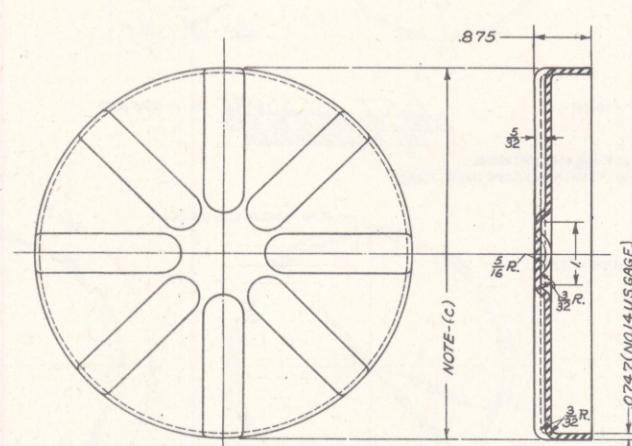


BODY TUBE 76-1-675 A3
STEEL, WD1010 TO WD1020, HOT ROLLED, PICKLED
(a) WHEN ALTERNATIVE BOTTOM CONSTRUCTION IS USED, INCREASE THESE DIMENSIONS TO MEET ASSEMBLY REQUIREMENTS.
(b) SIZE FOR LIGHT PRESS FIT TO LOCKING RING 76-1-676 H.



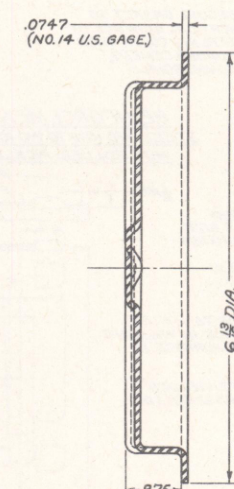
GUIDE, UPPER & LOWER 76-1-675 B2
STEEL, WD1010 TO WD1020, HOT ROLLED, PICKLED.

(c) SIZE FOR LIGHT PRESS FIT TO BODY TUBE.
(d) DIMENSION APPLIES AFTER PAINTING.



BOTTOM 76-1-675 C1
STEEL, WD1010 TO WD1020, HOT ROLLED, PICKLED.

REMOVE ALL BURRS.
BREAK ALL SHARP CORNERS.

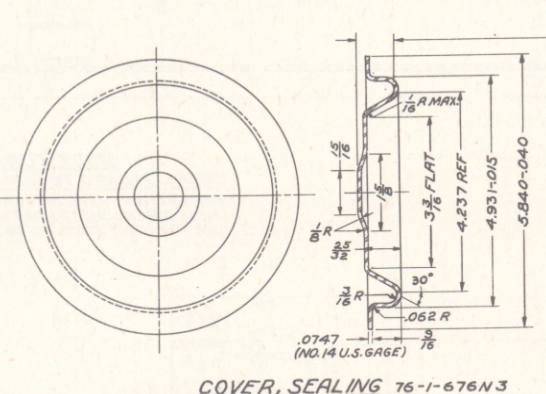
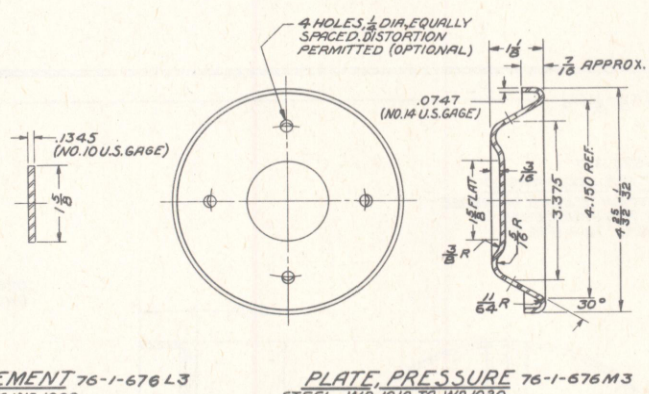
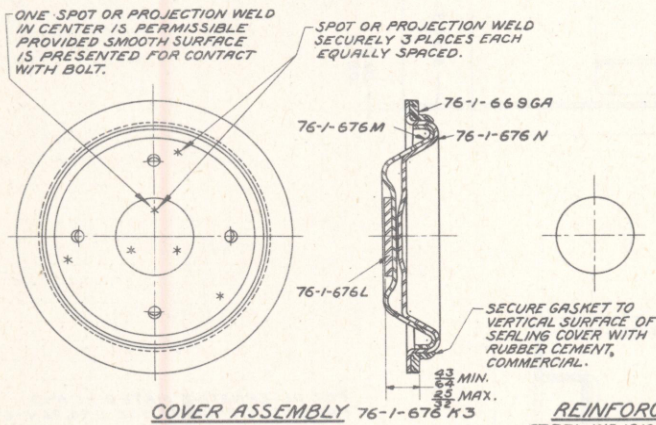
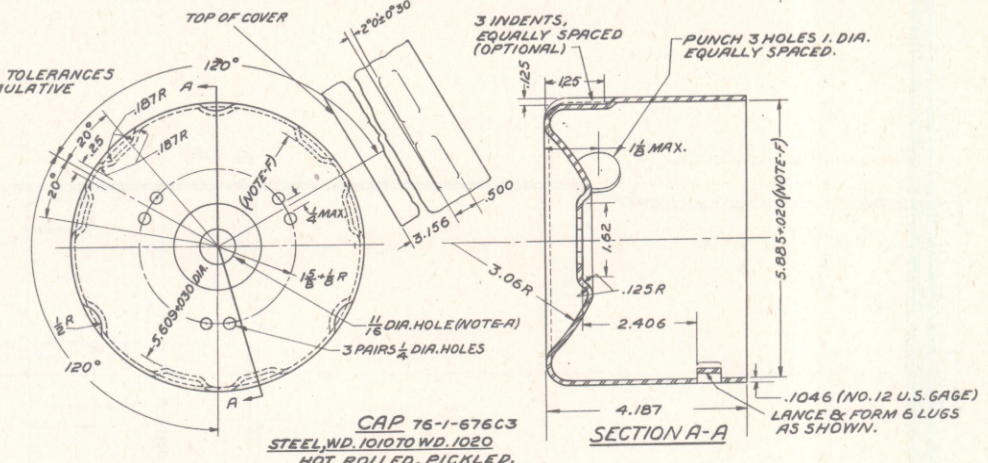
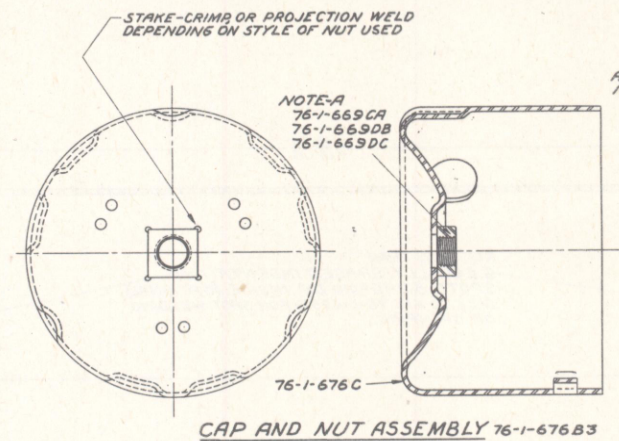
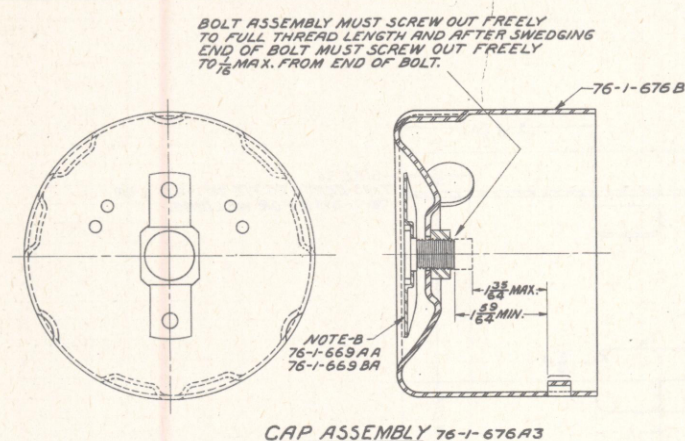


BOTTOM (ALTERNATIVE) 76-1-675 D
FOR ALL OTHER INFORMATION SEE PC.MK.76-1-675C

FOR ALTERNATIVE MATERIAL AND PROTECTIVE FINISHES SEE DRG. 76-1-674A

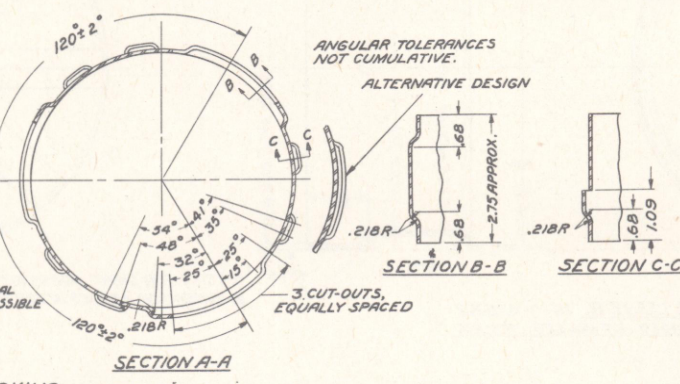
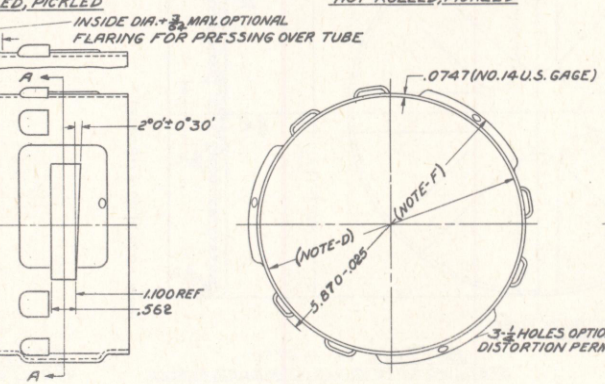
CONTAINER, METAL, AMMUNITION, 105MM, M152A2 DETAILS.					
MAY 22, 1944.		CLASS	DIVISION	DRAWING	FILE
REVISIONS		76	1	675	
1	10-31-44				
2	2-26-45				
3	8-15-45				
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED					
DECIMAL 1/10					
FRACTIONAL 1/32					
ANGULAR 1/2					
DRG. PERTAINS TO		DFTSMAN	TRACER	ENGINEER	
		E.F.L.	E.F.L.		
		CHECKER	DESIGNER	ENGINEER	
		0.0			
SUBMITTED		C. R. Gallagher			
EXAMINED		C. R. Gallagher			
		ORD. DEPT. U.S.A.			
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE		C. S. Reed			
		COL. ORD. DEPT. U.S.A.			
76-1-674		ORDNANCE DEPT. U.S.A.			
D					

SCALE 1/2



ADVISORY: THIS HEIGHT TO BE CONTROLLED BY MFR. SO THAT 0.010 MAX. CLEARANCE IS PROVIDED BETWEEN SEALING COVER PCMK 76-1-676N AND PRESSURE PLATE PCMK 76-1-676M. PRESSURE PLATE MUST NOT BE SUPPORTED AT CENTER BY SEALING COVER.

NOTES:-
A- NUT (PC.MK. 76-1-669DB) SHOWN ON ASSEMBLY, NUTS (PC.MKS. AS SHOWN) MAY BE USED, BUT ARE NOT INTERCHANGEABLE. SIZE AND SHAPE OF HOLE IN PC.MK. 76-1-676C MUST CONFORM TO NUT USED, WITH 1/8 MAX. CLEARANCE ON SIDES OR DIAMETERS.
B- BOLT ASSEMBLY (PC.MK. 76-1-669AA) SHOWN ON ASSEMBLY, OTHER BOLT ASSEMBLIES (PC.MKS. AS SHOWN) MAY BE USED AS ALTERNATES.
C- BREAK ALL SHARP CORNERS.
D- SIZE FOR LIGHT PRESS FIT TO BODY OF TUBE, 76-1-673A OR 76-1-675A.
E- ONE SPOT OR PROJECTION WELD IN CENTER IS PERMISSIBLE IN WELDING REINFORCEMENT TO PLATE, PRESSURE, PROVIDED SMOOTH SURFACE IS PRESENTED FOR CONTACT WITH BOLT.
F- DIMENSION APPLIES AFTER PAINTING.
G- ALTERNATIVE: FLAT STRIP STEEL FORMED AND JOINT BUTT WELDED PROVIDED 5/16 DIA. MAXIMUM IS MAINTAINED WHEN ASSEMBLED TO BODY TUBE.



FOR PROTECTIVE FINISHES AND ALTERNATIVE MATERIAL SEE LIST OF PARTS

SUPERSEDES 76-1-676 WITH CHANGE AUGUST 15, 1945

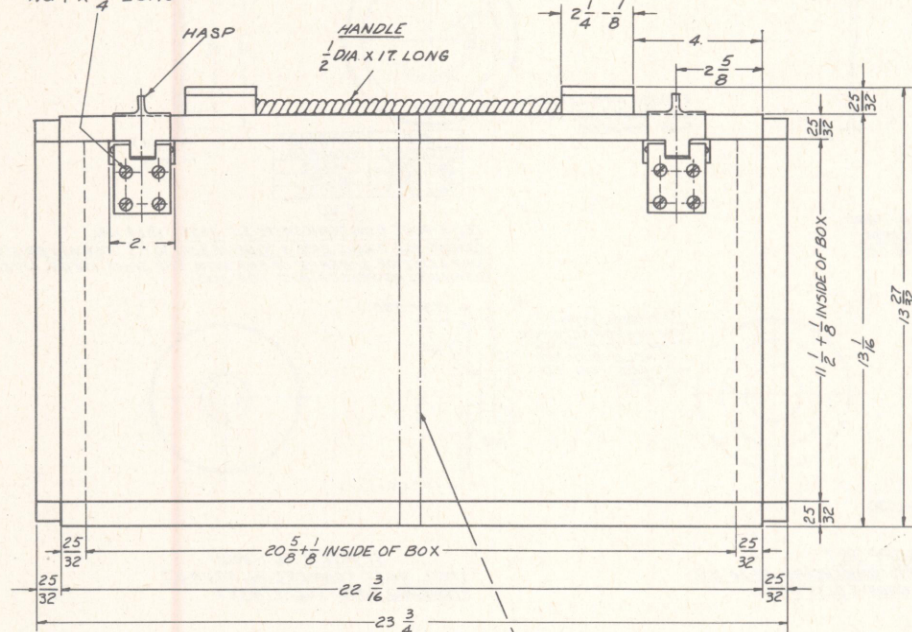
CONTAINERS, METAL, AMMUNITION				
CAP ASSEMBLY & DETAILS				
MAY 22, 1944	CLASS	DIVISION	DRAWING	FILE
REVISIONS	76	1	676	
3 8-15-45				
4 11-4-48				
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED				
DECIMAL ±				
FRACTIONAL ±				
ANGULAR ±				
DRG. PERTAINS TO	OFFMAN	TRACER	ENGINEER	
	W. R. T.	W. R. T.	W. R. T.	
CHECKER	W. R. T.	W. R. T.	W. R. T.	
SUBMITTED:	ORD. ENG. ORD. DEPT. U.S.A.			
EXAMINED:	ORD. ENG. ORD. DEPT. U.S.A.			
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:	ORD. ENG. ORD. DEPT. U.S.A.			
76-1-672	ORD. ENG. ORD. DEPT. U.S.A.			
76-1-674	ORD. ENG. ORD. DEPT. U.S.A.			
D	ORDNANCE DEPT. U.S.A.			

REMOVE ALL BURRS

SCALE 3/4

SCREW, WOOD, FLATHEAD

NO. 7 X $\frac{3}{4}$ LONG



LOCATION OF STRAPPING TO BE APPLIED AFTER PACKING.

ASSEMBLY

CONNECTOR

2 1/2 MAX FOR $\frac{5}{8}$ STRAPPING.

FILLER

5 11/16 X 20 1/2

SEAL, CAR

.5 DIA X .15 THICK
WITH NON-SLIP WIRE
.056 DIA X 6. LONG.

STRAPPING

5/8 X .02 X 44. LONG.

MARKING INSTRUCTIONS

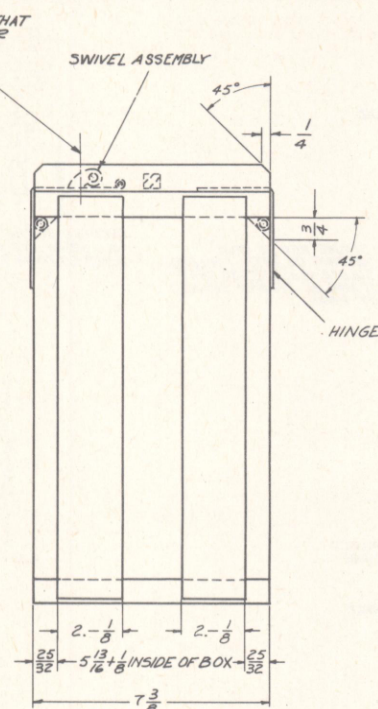
THE BOX SHALL BE MARKED IN ACCORDANCE WITH DRAWING 20-4-613.
THE ICC NOMENCLATURE TO BE APPLIED SHALL BE (SEE TABLE.)
THE CUBICAL DISPLACEMENT SHALL BE "1.4."

THE DESCRIPTIVE NOMENCLATURE OF THE ITEM PACKED SHALL BE (SEE TABLE.)

ICC NOMENCLATURE	DESCRIPTIVE NOMENCLATURE
ROCKET AMMUNITION WITH EXPLOSIVE PROJECTILES	8 ROCKETS HEAT 2.36 INCH M6A6
ROCKET AMMUNITION WITH INERT LOADED PROJECTILES	8 ROCKETS PRACTICE AT 2.36 INCH MTAT

(3) PACKING INSTRUCTIONS

INSERT 8 ROUNDS (IN FIBER CONTAINER) IN HORIZONTAL POSITION IN FOUR LAYERS. PLACE ONE OR MORE FILLERS ON TOP AS REQUIRED FOR TIGHT PACKING. ANY ADDITIONAL FILLER MATERIAL, FIBERBOARD W55 OR W65, NECESSARY TO PRODUCE TIGHT PACKING SHALL BE ADDED ALONG THE SIDES AND ENDS.



LIST OF PARTS

LINE NO.	PART	NO. REQ'D	MATERIAL		DRAWING OR SPEC NUMBER *	REMARKS
			KIND	GRADE		
1	ASSEMBLY	1	WOOD	TYPE II, STYLE 2	50-62-4	
2	SWIVEL ASSEMBLY	2			76-0-46	
3						
4	CONNECTOR	1	STEEL		COMMERCIAL (R)(T)	
5	FILLER	(8)	FIBERBOARD	W55 OR W65	JAN-P/108(4)	6/1/51
6						
7	HANDLE	1	JUTE ROPE	TYPE I OR II	T-R-592	
8	HASP	2			76-0-46	
9	HINGE	2			76-0-46	
10						
11	SCREW, WOOD, FLATHEAD	32	STEEL		FF-5-111	
12	SEAL, CAR	2	LEAD		COMMERCIAL (F)	
13	STRAPPING	1	STEEL	TYPE I, CLB	QO-5-78(4)(R)(T)	
14						
15						
16						

- * THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER.
(a) SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.
(b) FIGURE 7 OF SPEC 50-62-4 APPLIES FOR METHOD OF ATTACHING ROPE HANDLE EXCEPT THAT LOCATION OF ROPE SHALL BE AT CENTER OF TOP CLEATS.
(c) ALTERNATIVE MATERIAL (H)-SOLID WATER RESISTANT COMPOSITION BOARD, TYPE I, 1/4 THICK, SPEC MIL-B-3106.
(d) NOT REQUIRED WHEN WIRE IS USED.
(e) ALTERNATIVE MATERIAL (H)-NO. 14 (1/8) GAGE ROUND ZINC-COATED STEEL WIRE, CLASS B, SPEC QO-5-790.
(f) UNLESS OTHERWISE SPECIFIED, THESE PARTS SHALL BE FURNISHED BY THE MANUFACTURER.
(h) ALTERNATIVE MATERIALS ARE INTENDED TO BE USED ONLY WHEN PRESCRIBED MATERIALS ARE NOT AVAILABLE.
(i) ALTERNATIVE CONSTRUCTION--ASSEMBLY MAY BE MADE DOUBLE END CONSTRUCTION WITH BOTTOM AND COVER OVERLAPPING ENDS.
(j) GRADE "A" BOXES WILL BE USED FOR HEAT AMMUNITION.
GRADE "B" BOXES WILL BE USED FOR PRACTICE AMMUNITION.

WEIGHTS (ESTIMATED)

LINE NO.	PART	POUNDS
1	BOX (EMPTY)	15.0
2	FIBER CONTAINERS (8)	8.0
3	ROCKETS (8)	27.0
4	FILLER, CONNECTORS, STRAPPING, ETC	2.0
5		
6	TOTAL	52.0

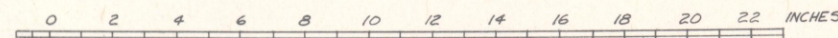
NOTICE:-THIS DRAWING SHALL NOT BE USED NOR REPRODUCED EITHER WHOLLY OR IN PART EXCEPT WHEN AUTHORIZED IN CONNECTION WITH UNITED STATES GOVERNMENT PROCUREMENT.

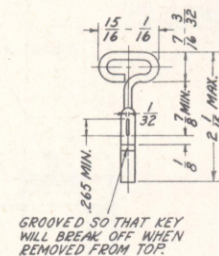
BOX, PACKING, AMMUNITION, FOR 2.36-INCH ROCKET AMMUNITION IN FIBER CONTAINER M8TA2, ASSEM., DETAIL 5 & PACKING

SEPTEMBER 11, 1944		CLASS	DIVISION	DRAWING	FILE
REVISIONS		76	1	754	
2	9-13-49				
3	8-24-50				
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED					
DECIMAL ±					
FRACTIONAL ±					
ANGULAR ±					
DRG. PERTAINS TO		DESIGNED BY	CHECKED BY	ENGINEER	
		H.B.H.	R.T.	as	
		A.C.V.	as	A. J. W.	
		SUBMITTED:			
		ORD. ENG., ORD. DEPT., U.S.A.			
		EXAMINED:			
		C. R. Dutton			
		COL., ORD. DEPT., U.S.A.			
		APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:			
		J. H. H.			
		COL., ORD. DEPT., U.S.A.			
		ORDNANCE DEPT., U.S.A.			

FOR CLOSING, SEALING AND STRAPPING INSTRUCTIONS SEE DWG 20-4-613.
FOR FIBER CONTAINER M8TA2, SEE DWG 76-1-1139

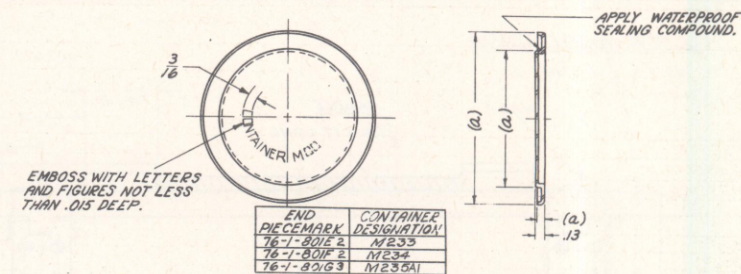
SUPERSEDES 20-4-339 AND 76-1-754 WITH CHANGE SEPTEMBER 13, 1949.





GROOVED SO THAT KEY
WILL BREAK OFF WHEN
REMOVED FROM TOP.

KEY 76-1-801D
STEEL WIRE, COMMERCIAL
DIA. .1055 OR .099



END PIECE MARK	CONTAINER DESIGNATION
76-1-801E 2	M233
76-1-801F 2	M234
76-1-801G 3	M235A1

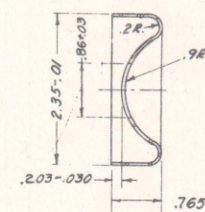
END
TERNE-PLATE (LONG-TERNE) TYPE I, CLASS "A" (8 LB. MIN.
COATING PER DOUBLE BASE "X"), GRADE 2, NO. 30 U.S. STANDARD GAGE (.012 THICK)
COAT EXTERIOR SURFACE OF END WITH THE SAME COLOR, AFTER
CLEANING, AS PRESCRIBED FOR BODY.

ASSEMBLY PIECE/MARK	CONTAINER DESIGNATION	GRENADE DESIGNATION	INSIDE LENGTH	OUTSIDE OVERALL LENGTH	BODY
76-1-801A3	M235A	M23A1	12.34 MIN.	10.64 MAX.	76-1-B01L
76-1-801B2	M233	M21B1/M21A1	11.64 MIN.	11.94 MAX.	76-1-B01M
76-1-801C2	M234	M20 AND M20A1	11.14 MIN.	11.44 MAX.	76-1-B01M

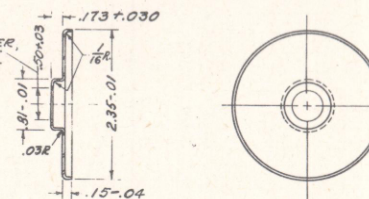
THESE DIMENSIONS APPLY TO METAL CONTAINER WITH BOTH ENDS SEAMED IN PLACE.

CONTAINER TO BE FURNISHED BY MANUFACTURER WITH BOTTOM CRIMPED IN PLACE TOP TO BE SEALED AT LOADING PLANT ASSEMBLY, LESS TOP MUST BE WATERTIGHT AND WITHSTAND AN AIR PRESSURE TEST OF 2. POUNDS PER SQUARE INCH FOR 15. SECONDS WITHOUT LEAKAGE.

(a) THESE DIMENSIONS MAY VARY TO SUIT MANUFACTURER'S METHOD OF OBTAINING DOUBLE SEAM SHOWN, AND TO COMPLY WITH THE DIMENSIONS SHOWN IN THE ABOVE TABLE FOR THE SEALED CONTAINER.



OPTIONAL WITH
THE MANUFACTURER,
SLIGHT OVALITY OF
THE HOLE NEED NOT
BE CAUSE FOR RE-
JECTION.

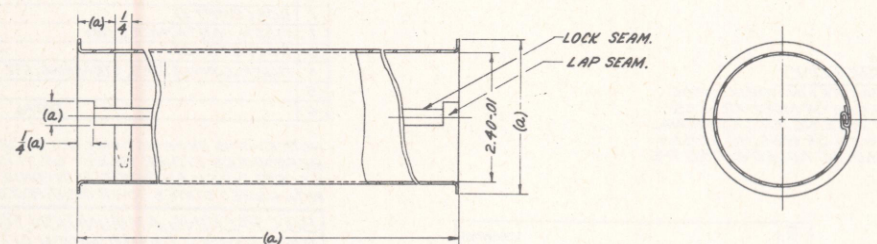


SUPPORT
STEEL, SHEET, COMMERCIAL, NO.24 U.S.
STANDARD GAGE (.0239 THICK)

SPACER 76-1-801K1
STEEL, SHEET, COMMERCIAL, NO. 24 U.S.
STANDARD GAGE (.0239 THICK)

SUPPORT PC. MK.	CONTAINER DESIGNATION	REMARKS
76-1-801H3	M233 & M235A1	(C)
76-1-801H2	M234	

(C) .86 ± .03 DIA HOLE, OPTIONAL WITH MANUFACTURER.

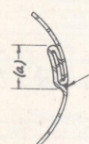


TERNE-PLATE (LONG-TERNES) TYPE I, CLASS "A" (8 LB. MIN. COATING PER DOUBLE BASE BOX), GRADE 2, NO. 30 U.S. STANDARD GAGE. (.012 THICK)

GLEAM EXTERIOR SURFACE OF CONTAINER IN ACCORDANCE WITH SPEC. ASS-1243, GRADE II BEFORE PAINTING. THE FOLLOWING PAINTING SHALL BE APPLIED BY THE CONTAINER MANUFACTURER. IF SMOKE GRENADES ARE TO BE PACKED, COAT THE ENTIRE EXTERIOR SURFACE OF BODY WITH BLUE-GRAY LAQUER ENAMEL, GRADE I. IF M3A1 AT GRENADES ARE TO BE PACKED, COAT THE ENTIRE EXTERIOR SURFACE OF BODY WITH OLIVE DRAB PAINT, TYPE II. ALTERNATE COATING: COAT EXTERIOR SURFACE WITH BLUE-GRAY OR OLIVE DRAB PAINT, TYPE II, AS APPLICABLE STRIPE OUTSIDE OF SIDE SEAM WITH LUSTRELESS LAQUER ENAMEL, GRADE I, THE SAME COLOR AS THE BODY.

BODY	GRENADE DESIGNATION
76-1-80IL3	M23A1
76-1-80IN2	M9A1 AND M19
76-1-80IN2	M20 AND M22

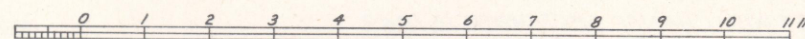
SOLDER WITH TIN-LEAD SOLDER
CLASS "A" OR "H". USE NON-ACID
FLUX.



DETAIL OF LOCK SEAM
SCALE = $\frac{1}{4}$

FOR ALTERNATIVE MATERIALS AND PROTECTIVE FINISHES SEE DRG. 76-1-801A.

REMOVE ALL BURRS.



THIS CONTAINER FOR PACKING ONE THE FOLLOWING
GRENADES:-
GRENADE, RIFLE, SMOKE (COLORED) M22.
GRENADE, RIFLE, SMOKE (COLORED) STREAMER, M23A1.
GRENADE, RIFLE, SMOKE, WP, M19A1
GRENADE, RIFLE, SMOKE, HC, M20.
GRENADE, AT, M9A1.

CONTAINER, METAL, M233, M234 & M235A1
FOR RIFLE GRENADES.
ASSEMBLY AND DETAILS.

NOV 9, 1944						CLASS		DIVISION		DRAWING		FILE	
REVISONS						76		1		801			
1 6-5-45													
2 8-15-45													
3 5-5-49													
DRG. PERTAINS TO						DRAFTSMAN C.J.F.		TRACER S.W.		ENGINEER R.H.W.			
						CHECKER E.G.B.		CHECKER P.D.O.		CHIEF DRAFTSMAN M.T.			
						SUBMITTED:- <i>E. Deane Jr.</i> I.S.T. LABOR. DEPT., U. S.A.							
						EXAMINED:- <i>M.L. Morris</i> ORD. DEPT., U. S.A.							
						APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:- <i>William Lutz</i> COL., ORD. DEPT., U.S.A.							
D						ORDNANCE DEPT., U. S. A.							

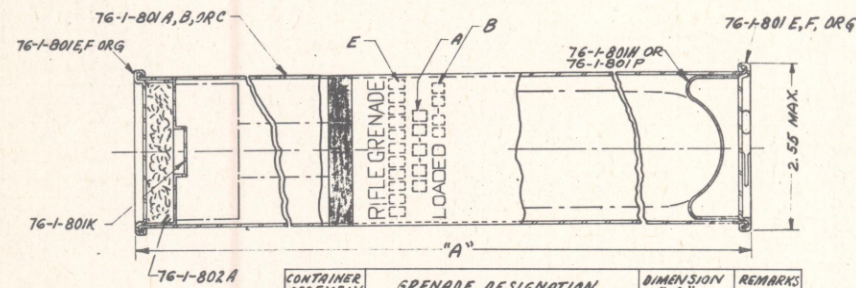
LIST OF PARTS										
LINE NO.	NAME OF PART	NUMBER PER COMPONENT	PIECE- MARK	MATERIAL			APPROXIMATE UNIT WEIGHT (POUNDS)	APPROXIMATE GROSS WT. OF RAW MATERIAL (POUNDS)	REMARKS	
				SIZE OR FORM	KIND	GRADE				
1	ASSEMBLY		76-1-801A							
2	ASSEMBLY		76-1-801B							
3	ASSEMBLY		76-1-801C							
4										
5										
6	BODY	1	76-1-801L	SHEET	TERNE-PLATE (LONG TERNE'S) TYPE I, CLASS "A"	2	QQ-T-191			
7	BODY		76-1-801M	SHEET	TERNE-PLATE (LONG TERNE'S) TYPE I, CLASS "A"	2	QQ-T-191			
8	BODY		76-1-801N	SHEET	TERNE-PLATE (LONG TERNE'S) TYPE I, CLASS "A"	2	QQ-T-191			
9										
10	END	2	76-1-801E	SHEET	TERNE-PLATE (LONG TERNE'S) TYPE I, CLASS "A"	2	QQ-T-191			
11	END		76-1-801F	SHEET	TERNE-PLATE (LONG TERNE'S) TYPE I, CLASS "A"	2	QQ-T-191			
12	END		76-1-801G	SHEET	TERNE-PLATE (LONG TERNE'S) TYPE I, CLASS "A"	2	QQ-T-191			
13	KEY	1	76-1-801D	WIRE	STEEL, TYPE I	WD1010	48-5		(a), (f), (h)	
14										
15	SPACER	1	76-1-801K	SHEET	STEEL		COMMERCIAL		(g)	
16	SUPPORT	(m)	76-1-801H	SHEET	STEEL		COMMERCIAL		(g)	
17	SUPPORT	(m)	76-1-801P	SHEET	STEEL		COMMERCIAL		(g)	
18					COMPOUND, SEALING		COMMERCIAL			
19					FLUX, NON-ACID		83-12		(h)	
20					LACQUER ENAMEL, LUSTRELESS, BLUE GRAY	I	3-162		(b)	
21					LACQUER ENAMEL, LUSTRELESS, OLIVE DRAB	I	3-162		(c)	
22					PAINT, OLIVE-DRAB	TYPE II	AXS-829			
23					INK, MARKING, YELLOW		36-2		(e)	
24					SOLDER, TIN-LEAD		QQ-5-571			
25					PAINT, BLUE-GRAY	TYPE II	AXS-829		(f)	

- (a) ALTERNATIVE: - A COMMERCIAL KEY OF APPROXIMATELY THE SAME DIMENSIONS AND EQUAL COATING. (g) - PROTECTIVE FINISH: - CLEAN SURFACE IN ACCORDANCE WITH SPEC. AXS-1245 GRADE 2, AND COAT WITH RUST-INHIBITING CLEAR LACQUER, SPEC. 3-184, OR RUST-INHIBITING OLIVE DRAB, TYPE I OR II ENAMEL, SPEC. 3-181, BEFORE OR SUBSEQUENT TO FORMING.
- (b) ALTERNATIVE MATERIAL: - ENAMEL, BLUE GRAY, LUSTRELESS, GRADE I, SPEC. 3-67.
- (c) ALTERNATIVE MATERIAL: - ENAMEL, OLIVE DRAB, LUSTRELESS, GRADE I, SPEC. 3-67.
- (d) ALTERNATIVE MATERIAL: - PAINT, STENCIL, YELLOW, SPEC. 3-179.
- (e) PROTECTIVE FINISH: - TYPE I, CLASS 55 OR 55S, SPEC. 370-2.
- (f) ALTERNATIVE MATERIAL: - STEEL WIRE, BRIGHT, COMMERCIAL (FOR PLATED KEY).
- (h) ALTERNATIVE MATERIAL: - LIQUID NON-ACID FLUX, COMMERCIAL.
- ADVISORY: - 1 POUND RESIN AND 1 GALLON DENATURED ALCOHOL.
- (m) 1 REQUIRED EITHER 76-1-801H OR 76-1-801P AS APPLICABLE.
- (n) SPECIFICATION APPLIES EXCEPT FOR COLOR.

LINE NO.	LIST OF SPECIFICATIONS	SPEC. NUMBER *	REQUIRED BY
1	AMMUNITION, EXCEPT SMALL ARMS AMM., GENERAL SPEC. FOR	50-0-1	DRG. 76-1-801
2	CLEANING AND PREPARATION OF METAL SURFACES	AXS-1245	DRG. 76-1-801
3	ENAMEL, LUSTRELESS, QUICK-DRYING,	3-67	DRG. 76-1-801
4	FINISHES, PROTECTIVE, FOR IRON AND STEEL PARTS	57-0-2	DRG. 76-1-801
5	FLUX, NON-ACID	83-12	DRG. 76-1-801
6	INK, MARKING	36-2	DRG. 76-1-801
7	LACQUER ENAMEL, LUSTRELESS,	3-162	DRG. 76-1-801
8			
9	METALS, GENERAL SPECIFICATION FOR INSPECTION OF	QQ-M-151	QQ-T-191
10	ENAMEL, OLIVE DRAB, RUST-INHIBITING	3-181	DRG. 76-1-801
11	PRINTS AND RELATED MATERIALS; GENERAL SPEC. FOR	3-1	3-162
12	PAINT, STENCIL	3-179	DRG. 76-1-801
13	SOLDER, TIN-LEAD		
14	TERNE-PLATE (LONG TERNE'S)	QQ-T-191	DRG. 76-1-801
15	LACQUER, RUST-INHIBITING, CLEAR	3-184	DRG. 76-1-801
16	PAINT, FOR METAL PARTS OF AMMUNITION CONTAINERS	AXS-829	DRG. 76-1-801
17			
18	WIRE, IRON AND STEEL, BARE AND COATED	48-5	DRG. 76-1-801
19			
20			

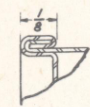
* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER. SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

CONTAINER, METAL, M233, M234 & M235, FOR RIFLE GRENADES. LIST OF PARTS AND LIST OF SPECIFICATIONS.					
NOV. 3, 1944.		CLASS	DIVISION	DRAWING	FILE
REVISIONS		76	1	801A	
1	7-15-45				
2	8-15-45				
SYMBOL					
DRG. PERTAINS TO					
76-1-801					
OFFSHORE		TRACKS	ENGINEER		
M.M.A.		Sgt. C. G. G. G.	DR. H. H.		
CHECKER		CHIEF	CHIEF OFFSHORE		
E. G. R. R. R.		M. T.			
SUBMITTED:					
C. H. H. H.					
1ST L. L. L. L.					
EXAMINED:					
M. L. L. L.					
ORD. DEPT. U. S. A.					
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:					
M. L. L. L.					
COL. ORD. DEPT. U. S. A.					
D		ORDNANCE DEPT., U. S. A.			



CONTAINER ASSEMBLY	GRENADE DESIGNATION	DIMENSION "A"	REMARKS
76-1-801A	SMOKE GRENADE, STREAMER, M23A1	10.64 MAX.	(F)(A)
76-1-801B	AT M9A1 OR SMOKE WP M19A1	11.94 MAX.	(H)
76-1-801C	SMOKE NC, M20 OR SMOKE M20A1	11.44 MAX.	(P)(K)

(F) INSERT RED, YELLOW, VIOLET OR GREEN, AS APPLICABLE.
 (G) INSERT RED, YELLOW, VIOLET, GREEN, OR BROWN, AS APPLICABLE.
 (H) INSERT SUPPORT, 76-1-801 H OR P.
 (K) INSERT SUPPORT, 76-1-801 P.



DETAIL OF DOUBLE SEAM
SCALE 1/4"

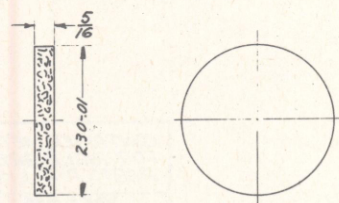
PACKING INSTRUCTIONS

INSERT SUPPORT INTO CONTAINER. PLACE GRENADE IN CONTAINER AND INSERT SPACER AND CUSHION AS SHOWN. SEAL TOP OF CONTAINER IN PLACE BY SEAMING. SEAMING TO BE SUCH THAT CONTAINER WILL BE WATER TIGHT AND WILL WITHSTAND AN AIR PRESSURE OF 2 POUNDS PER SQUARE INCH FOR 15 SECONDS WITHOUT LEAKAGE.

MARKING

COAT ALL UNPROTECTED EXTERIOR SURFACES WITH BLUE GRAY LACQUER ENAMEL, LUSTRELESS, GRADE I, WHEN PACKING SMOKE GRENADES, AND OLIVE DRAB LACQUER ENAMEL, LUSTRELESS, GRADE I, WHEN M9A1 ANTI-TANK GRENADE IS PACKED. COMPLETE THE MARKING OF THE CONTAINER WITH YELLOW MARKING INK. WHEN PACKING SMOKE GRENADES, MARK A SOLID YELLOW BAND 3/8" WIDE ON CONTAINER AS SHOWN. WHEN PACKING GRENADE AT M23A1 OMIT YELLOW BAND.

A-INSERT LOT NUMBER.
 B-INSERT MONTH AND YEAR LOADED.
 E-INSERT GRENADE DESIGNATION AS APPLICABLE. (SEE TABLE).



CUSHION 76-1-802A
FELT, HAIR, TYPE II, CLASS B
DIAMETER DIMENSION CONTROLS TOOL MANUFACTURE.

FOR CONTAINER SEE DRG. 76-1-801

SCALE, INCHES, 1/4"

LIST OF PARTS

LINE NO.	NAME OF PART	NUMBER REQUIRED PER COMPONENT	PIECE-MARK	SIZE OR FORM	MATERIAL	GRADE	SPEC. NUMBER	APPROXIMATE UNIT WEIGHT (POUNDS)	APPROXIMATE STOCK PER 1000 ASSEMBLIES	REMARKS
1	CUSHION	1	76-1-802A		FELT, HAIR	TYPE II, CLASS B	8-144			(A)(B)
2					INK, MARKING, YELLOW		36-2			(C)
3					LACQUER ENAMEL, LUSTRELESS, BLUE GRAY	I	3-162			(D)
4					LACQUER ENAMEL, LUSTRELESS, OLIVE DRAB	I	3-162			(E)

(A) ALTERNATIVE MATERIAL:- FELT, NO. 10 OR 10 1/2, SPEC. 8-15.
 (B) PACKING MATERIAL MUST BE THOROUGHLY DRY BEFORE PACKING.
 (C) ALTERNATIVE MATERIAL:- PAINT, STENCIL, YELLOW, SPEC. 3-179.
 (D) ALTERNATIVE MATERIAL:- BLUE GRAY ENAMEL, LUSTRELESS, GRADE I, SPEC. 3-67.
 (E) ALTERNATIVE MATERIAL:- OLIVE DRAB ENAMEL, LUSTRELESS, GRADE I, SPEC. 3-67.

LIST OF SPECIFICATIONS

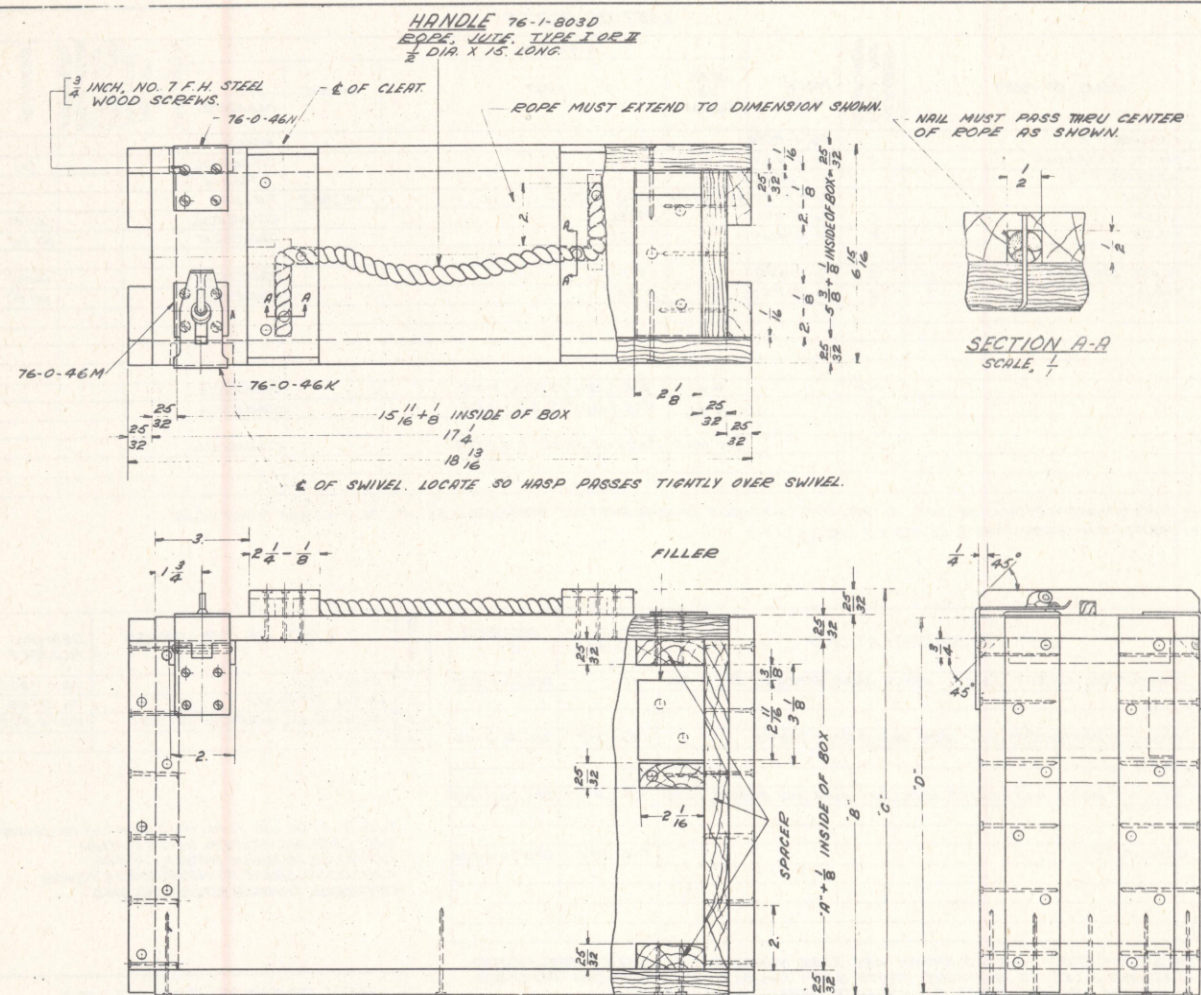
LINE NO.	SPEC. NUMBER *	REQUIRED BY
1	50-0-1	DRG. 76-1-802
2	3-67	DRG. 76-1-802
3	8-144	DRG. 76-1-802
4	8-15	DRG. 76-1-802
5	36-2	DRG. 76-1-802
6	3-162	DRG. 76-1-802
7	3-1	3-162
8		DRG. 76-1-802
9		DRG. 76-1-802
10		DRG. 76-1-802
11		
12		

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER. SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

THIS CONTAINER FOR PACKING ONE OF THE FOLLOWING GRENADES:-
 GRENADE, RIFLE, SMOKE, COLORED, M23.
 GRENADE, RIFLE, SMOKE, COLORED, STREAMER, M23A1.
 GRENADE, RIFLE, SMOKE, WP, M19A1.
 GRENADE, RIFLE, SMOKE, NC, M20.
 GRENADE, AT, M9A1.

PACKING AND MARKING OF CONTAINER, METAL M233, M234 & M235A FOR RIFLE GRENADES. ASSEMBLY AND DETAILS.

NOV. 9, 1944.		CLASS	DIVISION	DRAWING	FILE
REVISIONS		76	1	802	
1	8-15-45				
2	5-5-49				
SYMBOL					
DRG. PERTAINS TO					
C.J.F.		S.C. Gille		R.H.	
CHECKER		CHECKER		CHIEF OF TEAM	
E.G. # 806		M.T.			
SUBMITTED:					
EXAMINED:					
M.L. Williams					
ORD. DEPT., U.S.A.					
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:					
M.L. Williams					
COL. ORD. DEPT., U.S.A.					
D					
ORDNANCE DEPT., U.S.A.					



NOTES:
MOISTURE CONTENT OF LUMBER AT TIME OF MANUFACTURE OF BOX TO BE 12% MIN., 18% MAX.
LUMBER MUST BE SURFACED ON TWO SIDES (SBS). EDGES TO BE STRAIGHT AND SQUARE WITH THE SURFACE OF THE LUMBER (a)(b).
GRAIN OF WOOD IN TOP, BOTTOM AND SIDES TO RUN LENGTHWISE OF BOX.
GRAIN OF WOOD IN ENDS TO RUN CROSSWISE OF BOX.
SECURE BOTTOM WITH NOT LESS THAN 8-8d NAILS.
SECURE SIDES TO ENDS AND CLEATS WITH NOT LESS THAN 24-8d NAILS.
SECURE TOP CLEATS TO COVER WITH NOT LESS THAN 8-6d NAILS, CLINCHED.
SECURE CLEATS TO ENDS WITH NOT LESS THAN 24-6d NAILS, CLINCHED.
SECURE ONE SPACER TO COVER, AND ONE SPACER TO BOTTOM WITH NOT LESS THAN 3-4d NAILS.
SECURE CENTRAL SPACER TO END WITH 3-6d NAILS, AND TO SIDES WITH 2-8d NAILS.
SECURE FILLER TO SIDE WITH 2-4d NAILS.
8d NAILS SPECIFIED ARE FOR USE IN GROUP I WOODS. IF WOODS OF OTHER GROUPS ARE USED, NAIL SIZES MAY BE AS FOLLOWS: GROUP II - 7d, GROUP III - 7d, GROUP IV - 6d.
CLINCHED NAILS MUST BE FLUSH OR BELOW INTERIOR SURFACE OF BOX.
ALL NAILS SHALL BE CEMENT COATED.
(a) ALTERNATIVE: LUMBER MAY BE SURFACED ON ONE SIDE (SIS) AND RESAWN ON THE OTHER SIDE. RESAWN SURFACE TO FACE INSIDE OF BOX.
(b) ALTERNATIVE: LUMBER MAY BE 3/4 OR 1 1/16 INCH THICK.
5d NAILS MAY BE USED IN CLEATS WHEN 3/4 INCH LUMBER IS USED.

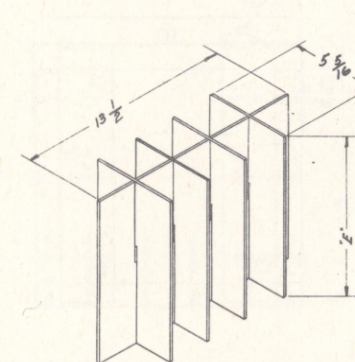
ASSEMBLY 76-1-803 (SEE TABLE)
WOOD

ASSEMBLY	ASSEMBLY PIECE MARK	GRENADE	DIMENSIONS				SEPARATOR ASSEMBLY	SEPARATOR PIECE MARK	DIMENSION "E"
			"A"	"B"	"C"	"D"			
"A"	76-1-803A2	M23A1	10 1/16	12 3/8	13 5/8	12 3/8	"A"	76-1-803E2	10 5/8
"B"	76-1-803B	M20 AND M22	11 7/8	13 1/8	13 3/4	12 1/8	"B"	76-1-803F	11 7/8
"C"	76-1-803C	M19A1 AND M9A1	12 1/8	13 5/8	14 3/8	13 7/8	"C"	76-1-803G	11 1/8

LIST OF PARTS

LINE NO.	NAME OF PART	NUMBER REQ'D PER COMPONENT	PIECE- MARK	MATERIAL				APPROXIMATE WEIGHT (POUNDS)	APPROX. GROSS WT. OF RAW MATERIAL ASSEMBLED	REMARKS
				SIZE OR FORM	KIND	GRADE	SPEC. NUMBER			
1	ASSEMBLY "A"		76-1-803A				50-62-4			(d)
2	ASSEMBLY "B"		76-1-803B				50-62-4			(d)
3	ASSEMBLY "C"		76-1-803C				50-62-4			(d)
4	SEPARATOR ASSEMBLY "A"		76-1-803E		CHIPBOARD		COMMERCIAL			
5	SEPARATOR ASSEMBLY "B"	1	76-1-803F		CHIPBOARD		COMMERCIAL			
6	SEPARATOR ASSEMBLY "C"		76-1-803G		CHIPBOARD		COMMERCIAL			
7	SWIVEL ASSEMBLY		76-0-46M							
8	HANDLE	1	76-1-803D	1/2 DIA X 15 1/2	JUTE ROPE	TYPE I OR II	T-R-592			
9	HASP	2	76-0-46K		STEEL		COMMERCIAL			(c) (e)
10	HINGE	2	76-0-46N		STEEL		COMMERCIAL			(c) (e)
11	PLATE, SWIVEL	2	76-0-46Q		STEEL		COMMERCIAL			(c) (e)
12	SWIVEL	2	76-0-46L		STEEL		COMMERCIAL			(c) (e)
13		11		4d	NAILS, BOX, STEEL WIRE		COMMERCIAL			
14		32		6d	NAILS, BOX, STEEL WIRE		COMMERCIAL			
15		34		8d	NAILS, BOX, STEEL WIRE		COMMERCIAL			
16		32		3/8 IN. NUT	SCREWS, WOOD, F.N. STEEL		COMMERCIAL			
17										
18										

(c) PROTECTIVE FINISH: TYPE I, CLASS 6S, SPEC 57-0-2.
(d) ALTERNATIVE CONSTRUCTION: ASSEMBLY MAY BE MADE DOUBLE END CONSTRUCTION WITH BOTTOM AND COVER OVERLAPPING ENDS.
(e) TYPE "B" HARDWARE MAY BE USED. ALTERNATIVE METHODS OF MANUFACTURE PRESCRIBED BY DRG. 76-0-46 ARE PERMITTED.



SEPARATOR ASSEMBLY 76-1-803 (C)
3/16 CHIPBOARD, COMMERCIAL (SEE TABLE)

LINE NO.	LIST OF SPECIFICATIONS	SPEC. NUMBER *	REQUIRED BY
1	AMMUNITION, EXCEPT SMALL ARMS AMM., GENERAL SPEC. FOR	50-0-1	DRG 76-1-803
2	FINISHES, PROTECTIVE, FOR IRON AND STEEL PARTS	57-0-2	DRG 76-0-46
3			
4			
5			
6	PACKING BOXES AND CRATES, ARTILLERY AMM. AND BOMBS, WOOD	50-62-4	DRG 76-1-803
7			
8	ROPE, JUTE	T-R-592	DRG 76-1-803
9			
10			

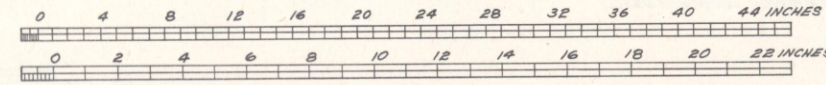
* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER. SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

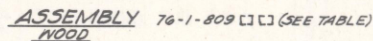
LINE NO.	LIST OF DRAWINGS	DRAWING NUMBER
1	ASSEMBLY	76-1-803
2	METAL FITTINGS	76-0-46
3	PACKING AND MARKING OF BOX	20-4-502
4		

BOX, PACKING FOR RIFLE GRENADES. ASSEMBLY.

NOV. 9, 1944	CLASS	DIVISION	DRAWING	FILE
REVISIONS	76	1	803	
1 8-15-45				
2 5-5-49				
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED				
DECIMAL ±				
FRACTIONAL ±				
ANGULAR ±				
DRG. PERTAINS TO	CHECKER	TRACER	ENGINEER	
	H.O.	R.M.D.	M.L. Adams	
SUBMITTED:	M.L. Adams			
EXAMINED:	M.L. Adams			
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:				
M.L. Adams				
COL., ORD. DEPT. U.S.A.				
ORDNANCE DEPT., U.S.A.				

THIS BOX FOR USE IN PACKING 10 OF THE FOLLOWING GRENADES IN METAL CONTAINERS:
GRENADE, RIFLE, SMOKE, COLORED, M20.
GRENADE, RIFLE, SMOKE, COLORED, STREAMER, M23 (c).
GRENADE, RIFLE, SMOKE, W.P. M19A1.
GRENADE, RIFLE, SMOKE, W.P. M20.
GRENADE, RIFLE, AT, M9A1.
ALSO ONE METAL CONTAINER PACKING THE FOLLOWING:
10 CARTRIDGES, RIFLE GRENADE, CAL. 30, M3.
6 CARTRIDGES, CARBINE GRENADE, CAL. 30, M6.
5 CARTRIDGES, GRENADE, AUX. M7.
ALSO ONE LAUNCHER POSITIONING CLIP.
(c) WHEN THE M23 RIFLE GRENADE IS PACKED THE ASSORTMENT OF CARTRIDGES SHALL BE, 10-M3's, 6-M6's AND 10-M7's.
FOR PACKING AND MARKING OF METAL CONTAINER, SEE DRG. 76-1-802.





(a) ALTERNATIVE: LUMBER MAY BE SURFACED ON ONE SIDE (SIS), RESAWN ON THE OTHER SIDE. RESAWN SURFACE TO FACE INSIDE OF BOX.

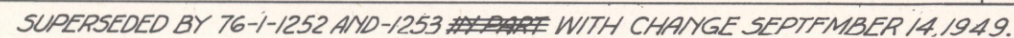
(F) SEE LINE 1 FOR APPLICABLE DIMENSIONS.

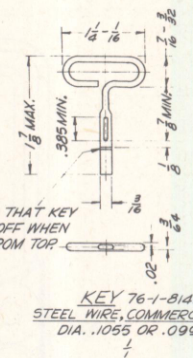
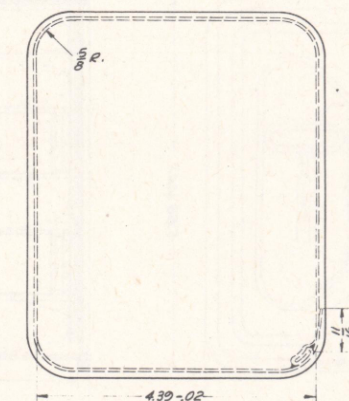
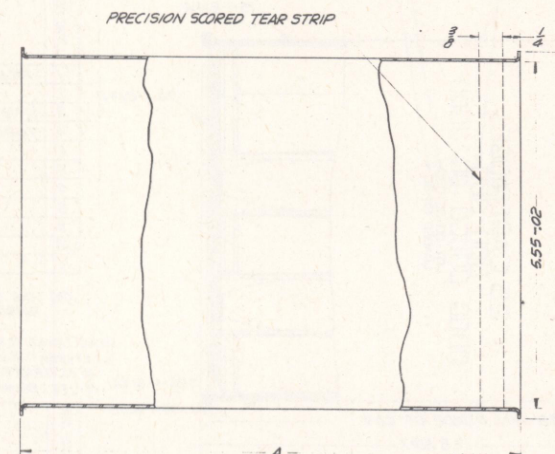
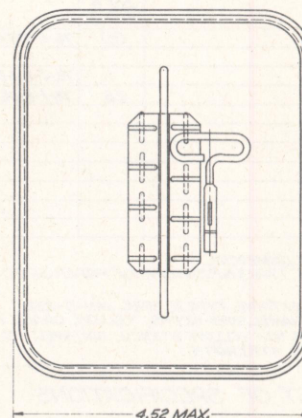
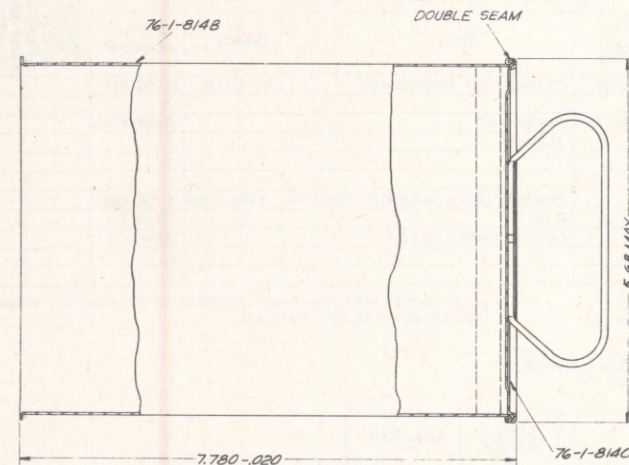
(d) TYPE 'B' HARDWARE MAY BE USED. ALTERNATIVE METHODS OF MANUFACTURE PRESCRIBED BY DRG. 76-0-46 ARE PERMITTED.(e)
(e) PROTECTIVE FINISH, TYPE I, CLASS G3, SPEC. 57-0-2.

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER. SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

THIS BOX FOR USE IN PACKING 4 OF THE FOLLOWING:
CARTRIDGE, HE, AT, M307M W/FUZE, P, M30.
CARTRIDGE, HE, M306M W/FUZE, PD, M89.
CARTRIDGE, SMOKE WP, M308M W/FUZE PD, M89.
CARTRIDGE, TR, M306M W/FUZE, PD, M89.

NOV 8, 1944		CLASS		DIVISION		DRAWING		FIL	
REVISONS		76		1		809			
1 6-9-43		TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED DECIMAL-2 FRACTIONAL 2 ANGULAR 2							
2 2-1-48									
3 8-3-48									
4 1-10-49									
DRG. PERTAINS TO				D'FTERMAN		TRACER		ENGINEER	
				G.E.A.		Egon		R.H.W.	
				CHECKER		J.A.F.		als G.A.	
				SUBMITTED:		MT			
						J.C. Ober			
				EXAMINED:		MAJOR, ORD. DEPT. U.S.			
				7. F. Adams					
				APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:		ORD. DEPT. U.S.			
				Michael Krueger					
D				ORDNANCE DEPT. U.S.A.		COL., ORD. DEPT. U.S.A.			





ASSEMBLY 76-1-814A5
CONTAINER TO BE FURNISHED BY MANUFACTURER WITH TOP CRIMPED IN PLACE. BOTTOM TO BE SEALED AT LOADING PLANT. ASSEMBLY, LESS BOTTOM, MUST WITHSTAND AN AIR PRESSURE TEST OF 3 POUNDS PER SQUARE INCH FOR 15 SECONDS WITHOUT LEAKAGE. RETOUCH DAMAGED SURFACES WITH OLIVE DRAB ENAMEL, TYPE II.

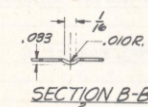
A- THESE DIMENSIONS MAY VARY TO SUIT MANUFACTURER'S METHOD OF OBTAINING DOUBLE SEAM SHOWN, AND TO COMPLY WITH THE DIMENSIONS SHOWN ON DRAWING 76-1-815.

COAT EXTERIOR SURFACE WITH OLIVE DRAB ENAMEL, TYPE III. STRIPE OUTSIDE OF SIDE SEAM WITH OLIVE DRAB ENAMEL, TYPE II.

SEAL WITH TIN-LEAD SOLDER, CLASS A OR H. USE NON-CORROSIVE FLUX EITHER INSIDE OR OUTSIDE, AT OPTION OF MFG'R.

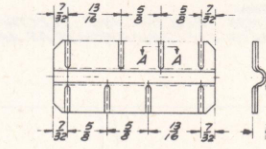
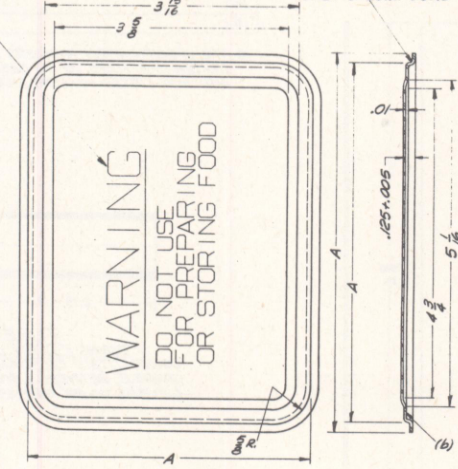
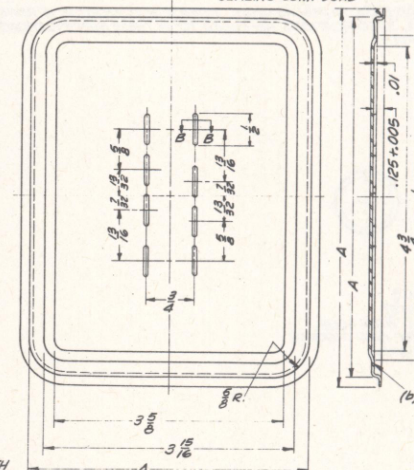
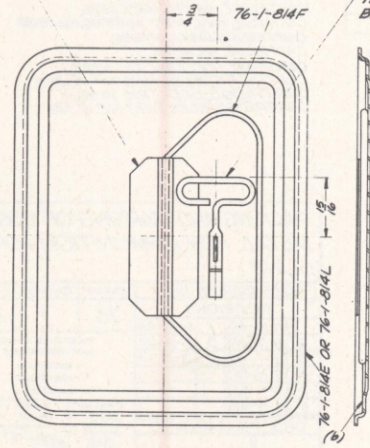
76-1-814K, SECURE IN PLACE BY PROJECTION WELDING FOR 76-1-814L END; OR 76-1-814G FOR 76-1-814E END. SECURE IN PLACE BY SPOT WELDS OR WITH TIN LEAD SOLDER, CLASS A OR H. USE NON-CORROSIVE FLUX.

76-1-814H PROJECTION WELD, SPOT WELD OR SOLDER SO THAT KEY MAY BE REMOVED BY HAND.



EMBOSSE WITH LETTERS AS SHOWN, NOT LESS THAN .015 INCH HIGH. (TO BE READ FROM INSIDE BOTTOM OF CONTAINER)

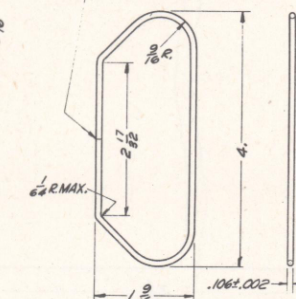
APPLY WATERPROOF SEALING COMPOUND



RECEIVER, HANDLE (ALT.) 76-1-814K+ FOR ALL OTHER INFORMATION SEE 76-1-814G

WELD, THEN COAT HANDLE WITH OLIVE DRAB ENAMEL, TYPE II. (WELD MAY BE OMITTED WHEN ALTERNATIVE MATERIAL IS USED)

MAY BE CRIMPED TO HOLD HANDLE IN POSITION DURING ATTACHING OPERATION.



HANDLE 76-1-814F3 STEEL WIRE, NO. 12, GALVANIZED

RECEIVER, HANDLE 76-1-814G4 TERNE-PLATE (LONG TERMES) TYPE I, CLASS A (BLBS. MIN. COATING PER DOUBLE BASE BOX) GRADE 2.

(a) LOCATING BOSSES FOR THE KEY AND PANEL WITH A MAX. DEPTH FOR LOCATING THE HANDLE RECEIVER, MAY BE APPLIED TO THE COVER END. (b) COAT EXTERIOR SURFACE WITH OLIVE DRAB ENAMEL, TYPE II. RETOUCH DAMAGED SURFACES WITH OLIVE DRAB ENAMEL, TYPE II.

END (ALT. TO 76-1-814E) 76-1-814L4(a) TERNE-PLATE (LONG TERMES) TYPE I, CLASS A (BLBS. MIN. COATING PER DOUBLE BASE BOX) GRADE 2. NO. 30 U.S. STD. GAGE

END (WITH MARKING) 76-1-814D4 (WITHOUT MARKING) 76-1-814E4(a) TERNE-PLATE (LONG TERMES) TYPE I, CLASS A (BLBS. MIN. COATING PER DOUBLE BASE BOX) GRADE 2. NO. 30 U.S. STD. GAGE

REMOVE ALL BURRS.

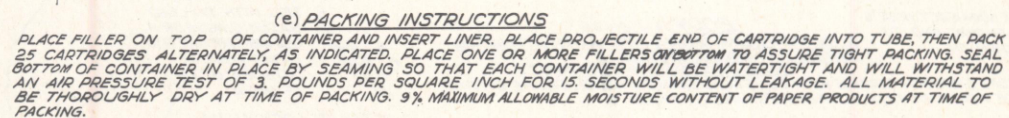
LINE NO.	LIST OF DRAWINGS	DRAWING NUMBER
1	ASSEMBLY AND DETAILS	76-1-814
2	LIST OF PARTS AND LIST OF SPECS.	76-1-814A
3		

FOR ALTERNATIVE MATERIAL AND PROTECTIVE FINISHES, SEE DRG. 76-1-814A.

SUPERSEDES OLD TRACING 76-1-814 UNDER REVISION DATE OF MARCH 1, 1945

CONTAINER, METAL, FOR AMMUNITION FOR 20 MM. GUNS ASSEMBLY AND DETAILS

NOVEMBER 10, 1944	CLASS	DIVISION	DRAWING	FILE
REVISIONS	76	1	814	
2 11-18-44				
3 3-1-45				
4 8-15-45				
5 3-22-48				
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED				
DECIMAL ±				
FRACTIONAL ±				
ANGULAR ±				
DRG. PERTAINS TO				
SUBMITTED BY: A. M. Gallagher				
EXAMINED BY: R. C. Walling				
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:				
C. S. Reed by a. a.				
76-1-815				
D				
ORDNANCE DEPT., U. S. A.				



PACKING INSTRUCTIONS

PLACE FILLER ON TOP OF CONTAINER AND INSERT LINER. PLACE PROJECTILE END OF CARTRIDGE INTO TUBE, THEN PACK 25 CARTRIDGES ALTERNATELY, AS INDICATED. PLACE ONE OR MORE FILLERS ON TOP TO ASSURE TIGHT PACKING. SEAL BOTTOM OF CONTAINER BY SANDING. TEST BY PRESSING WITH FINGER. IF THERE IS NO LEAKAGE, PROCEED TO AND AN AIR PRESSURE TEST OF 3. POUNDS PER SQUARE INCH FOR 15 SECONDS WITHOUT LEAKAGE. ALL MATERIAL TO BE THOROUGHLY DRY AT TIME OF PACKING. 9% MAXIMUM ALLOWABLE MOISTURE CONTENT OF PAPER PRODUCTS AT TIME OF PACKING.

MARKING

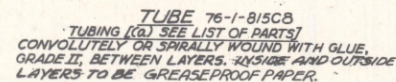
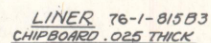
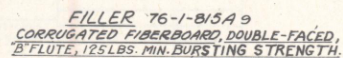
COAT ALL UNPROTECTED EXTERIOR SURFACES WITH OLIVE DRAB ENAMEL, RUST-INHIBITING, TYPE I OR II.
MARK THE CONTAINER WITH YELLOW LAQUER ENAMEL, GRADE I.

SIZE AND LOCATION OF LETTERS TO BE APPROXIMATELY AS SHOWN:

A-INSERT "AP-T,M95";"INCENDIARY,M96";"ELECTRIC AP,M95";"ELECTRIC M96";"ELECTRIC HEI M97";
"HEI M97 W/FUZE,PD,M75;DRILL,M18A2;TP,M99 OR ELECTRIC TP,M99 AS APPLICABLE";

B. INSERT LOT NUMBER.

C. INSERT MONTH AND YEAR LOADED.



LIST OF PARTS

(a) .016 CHIPBOARD, COMMERCIAL.
GRADE A CLASS I, TYPE 3 GREASEPROOF PAPER SPEC JAN-B-121.

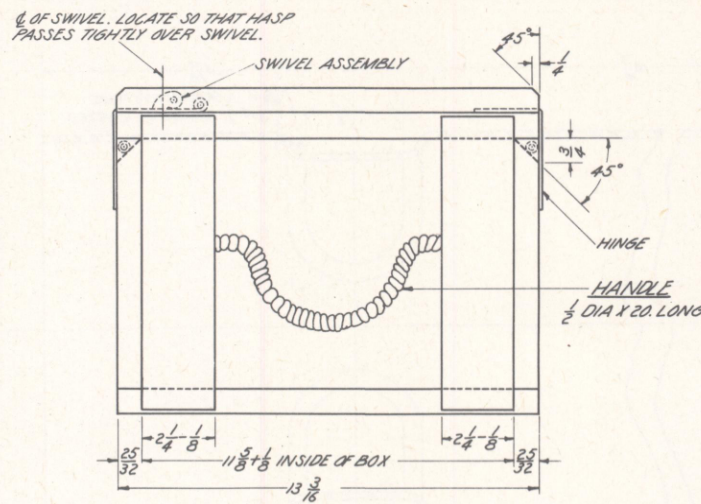
(b) ALTERNATIVE MATERIAL (4) - DEXTRINE, TYPE II, SPEC. JAN-D-232.
(c) ALTERNATIVE MATERIAL (4) - ENAMEL, QUICK-DRYING, YELLOW, GRADE I, SPEC. JAN-E-74 (d)
(d) ALTERNATIVE MATERIAL (6) - YELLOW STENCIL INK, SPEC. TT-I-558.
(e) 125 LBS. MIN. BURSTING STRENGTH.

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PACKING AND MARKING OF CONTAINER APPLIES TO
25 OF ANY ONE OF THE FOLLOWING CARTRIDGES FOR
20 MM. GUNS, M1, AN-M2, ~~M13 M12 M14~~
CARTRIDGE, AP-T M95
CARTRIDGE, INCENDIARY M96
CARTRIDGE, HEAT M97 ~~M98 M99~~ P.M. ~~M99~~
CARTRIDGE, ~~M98~~ M99
CARTRIDGE, TP M99
CARTRIDGE ELECTRIC TP M99
CARTRIDGE ELECTRIC AP-T M95
CARTRIDGE ELECTRIC M96
CARTRIDGE ELECTRIC HE I M97

PACKING AND MARKING OF CONTAINER,
METAL, FOR AMMUNITION FOR 20-MM.
GUNS

NOVEMBER 10, 1944				CLASS	DIVISION	DRAWING	FILE
REVISONS				76	1	815	
1	11-16-44	7	9-22-48	TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED			
2	11-18-44	3	6-26-49	DECIMAL 2			
3	3-1-45	9	B-25-50	FRACTIONAL			
4	8-15-45	-	-	ANGULAR 1			
5	10-1-45	-	-				
6	3-7-48	-	-				
DRG. PERTAINS TO							
				DYTMAN	TRACER	C. H. MANN	
				EJG	W.H.A.		
				CHECKER	GRB-60	PAINE, ENGINEER	
				SUBMITTED:	M.T.		
				E. G. Han, Jr.			
				I.E.T., CHIEF DEPT. U.S.A.			
				EXAMINED:			
				M. L. Adams			
				CHIEF DEPT. U.S.A.			
				APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:			
				C. C. Thad			
				MAJ. DEPT. U.S.A.			
D				1			
				ORDNANCE DEPT. U.S.A.			



25. STRAPPING
X.02 X 50. LONG

THE BOX SHALL BE MARKED IN ACCORDANCE WITH DRAWINGS 20-A-613
THE ICG NOMENCLATURE TO BE APPLIED SHALL BE (SEE TABLE)
THE DESCRIPTIVE NOMENCLATURE, CALIBER AND WEAPON
DESIGNATION OF THE ITEM PACKED SHALL BE (SEE TABLE)
THE CUBICAL DISPLACEMENT SHALL BE "1.39"

INSERT SPACER AND PACK 6 METAL CONTAINERS IN VERTICAL ROWS WITH HANDLES UP. PLACE ONE OR MORE FILLERS ON TOP AS REQUIRED TO PACK CONTENTS TIGHTLY. ANY ADDITIONAL W55 OR W55 FIBERBOARD FILLER MATERIAL NECESSARY TO PRODUCE TIGHT PACKING WILL BE ADDED ALONG THE SIDES AND ENDS.

- * THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER.
- (a) SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.
- (b) NOT REQUIRED WHEN WIRE IS USED.
- (c) ALTERNATIVE MATERIAL: NO.14,(08) GAGE ROUND ZINC-COATED STEEL WIRE, 455 SPEC QQ-S-790.
- (d) UNLESS OTHERWISE SPECIFIED THESE PARTS SHALL BE FURNISHED BY THE LOADER.
- (e) ALTERNATIVE MATERIAL: SOLID WATER RESISTANT COMPOSITION BOARD TYPE I, SPEC MIL-B-3106.
- (f) USE NUMBER OF THICKNESSES REQUIRED.
- (g) ALTERNATIVE MATERIALS ARE INTENDED TO BE USED ONLY WHEN PRESCRIBED MATERIALS ARE NOT AVAILABLE.
- (h) SECURE CLEATS TO ENDS WITH 7d NAILS.

(2) GRADE "A" BOXES WILL BE USED FOR AP,
INCENDIARY AND HE AMMUNITION.
GRADE "B" BOXES WILL BE USED FOR TP AND
DRILL AMMUNITION.

NOTICE: THIS DRAWING SHALL NOT BE USED NOR
REPRODUCED EITHER WHOLLY OR IN PART EXCEPT
WHEN AUTHORIZED IN CONNECTION WITH
UNITED STATES GOVERNMENT PROCUREMENT.

NOVEMBER 10, 1944		CLASS	DIVISION	DRAWING	FILE
REVISONS		76	1	816	
3	3-22-48				
4	6-27-49				
5	10-5-49				
6	8-25-50				

TOLERANCE ON DIMENSIONS
NOT OTHERWISE SPECIFIED

DECIMAL ±
FRACTIONAL ±

ORD. ENG., ORD. DEPT., U.S.

			COL., ORD. DEPT., U.S.
			APPROVED BY ORDER OF THE CHIEF C
			ORDNANCE-

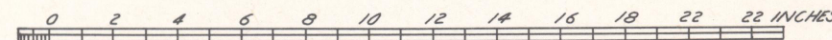
5			COL., ORD. DEPT., U. S.
	D		ORDNANCE DEPT., U. S. A

5		
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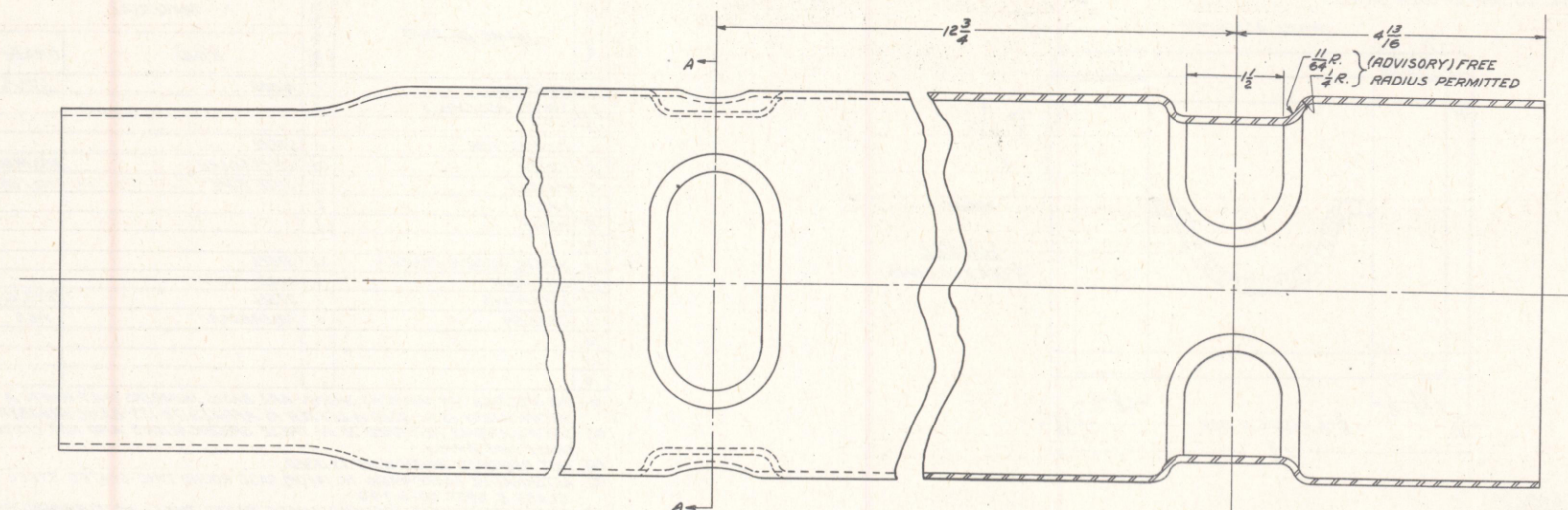
ICC NOMENCLATURE	DESCRIPTIVE NOMENCLATURE	CALIBER AND WEAPON DESIGNATION
DRILL CARTRIDGES INERT	150 CARTRIDGES DRILL M18A3	20 MM GUNS
SMALL ARMS AMMUNITION	150 CARTRIDGES AP-T M95	20MM GUNS AN-M2, M3 AND BR HS
AMMUNITION FOR SMALL ARMS WITH EXPLOSIVE BULLETS	150 CARTRIDGES INCENDIARY M96	20MM GUNS AN-M2, M3 AND BRHS
AMMUNITION FOR SMALL ARMS WITH EXPLOSIVE BULLETS	150 CARTRIDGES HE I M97 W/FUZE PD M75	20MM GUNS AN-M2, M3 AND BRHS
SMALL ARMS AMMUNITION	150 CARTRIDGES TP M99	20MM GUNS AN-M2, M3 AND BRHS
SMALL ARMS AMMUNITION	150 CARTRIDGES ELECTRIC AP-T M95	20 MM GUN M24
AMMUNITION FOR SMALL ARMS WITH EXPLOSIVE BULLETS	150 CARTRIDGES ELECTRIC INCENDIARY M96	20 MM GUN M24
AMMUNITION FOR SMALL ARMS WITH EXPLOSIVE BULLETS	150 CARTRIDGES ELECTRIC HE I M97 W/FUZE PD M75	20 MM GUN M24
SMALL ARMS AMMUNITION	150 CARTRIDGES ELECTRIC TP M99	20 MM GUN M24

FOR CLOSING, SEALING AND STRAPPING INSTRUCTIONS, SEE DWG 20-4-813
FOR METAL CONTAINER SEE DWG 76-1-814



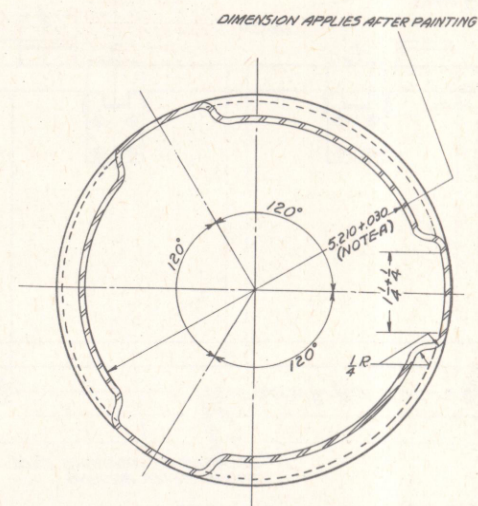
SUPERSEDES 20-4-507, AND 76-1-816 WITH CHANGE JUNE 27, 1949.

072029



BODY, TUBE, (ALT.) 76-1-940A1
FOR ALL OTHER INFORMATION SEE 76-1-675A

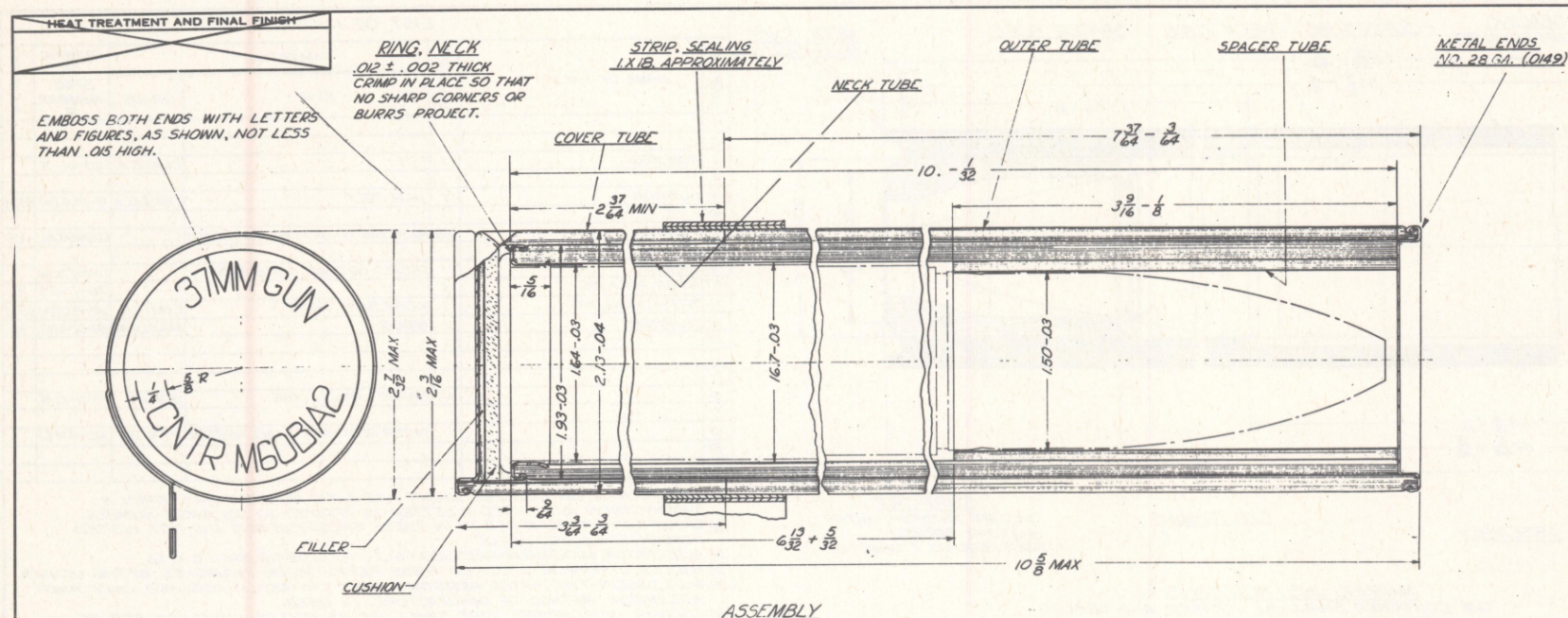
NOTE A-.030 MAX. OVALITY OR WAVES PERMITTED
ABOVE MAX. DIAMETER WITHIN APPROX 30°
AREA AT CENTER OF GUIDE EMBOSSEMENTS.



SECTION A-A

CONTAINER, METAL, AMMUNITION
105-MM, M152 A2
DETAILS

FEBRUARY 26, 1945		CLASS	DIVISION	DRAWING	FILE
REVISIONS		76	1	940	
1	8-15-45				
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED					
DECIMAL ±					
FRACTIONAL ±					
ANGULAR ±					
ORG. PERTAINS TO		DESIGNER KVB	TRACER KLM	ENGINEER JHL	
		CHECKER KVB	HEAD ENGINEER KLM	ENGINEER JHL	
SUBMITTED:		R.M. Gallagher LT COL., ORD. DEPT. U.S.A.			
EXAMINED:		R.C. Walling ORD. DEPT. U.S.A.			
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:		C.S. Reel COL., ORD. DEPT. U.S.A.			
76-1-675		D			
		ORDNANCE DEPT. U.S.A.			



FILLER
1/16 x 1/16 x 1/16 THICK

CUSHION
1/16 x 1/16 x .125 ± .013

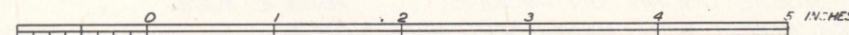
(b) PACKING INSTRUCTIONS
PACK DRILL CARTRIDGE, FIXED SHELL OR SHOT, AS SHOWN, WITH ONE OR MORE FILLERS AS REQUIRED FOR TIGHT PACKING.

MARKING INSTRUCTIONS
THE CONTAINER SHALL BE MARKED AND SEALED IN ACCORDANCE WITH DRAWING, 75-14-629. THE NOMENCLATURE MARKING SHALL BE (SEE TABLE).
THE AIC SYMBOL SHALL BE (SEE TABLE).

NOMENCLATURE MARKING	AIC SYMBOL
SHELL FIXED HE-T 50 M54 W/FUZE PD M56 FOR 37MM GUN AN-M10	
SHOT FIXED AP-T M80 FOR 37MM GUN AN-M10	
SHELL FIXED TP-T M55A1 W/FUZE DUMMY M50 FOR 37MM GUN AN-M10	
CARTRIDGE DRILL M23 FOR 37MM GUN AN-M10	
SHELL FIXED TP M94 FOR 1.457 INCH SUBCALIBER GUN	

REMOVE ALL BURRS.

FOR PACKING BOX, SEE DRG 76-1-1261



LIST OF PARTS

LINE NO.	NAME OF PART	NO. REQD	MATERIAL	GRADE	DRAWING OR SPEC NUMBER	REMARKS
1						
2						
3	ASSEMBLY	1		CLASS B	50-61-3	
4						
5	CUSHION	1	HAIR, FELT	TYPE II, CL B	8-14.4 (a)	(b)(d)
6	FILLER	(b)	NO. 35 PASTED OR PLAIN CHIPBOARD			COMMERCIAL (d)
7						
8	RING, NECK	1	HOT-ROLLED STEEL STRIP	WD 1010	57-136 (a)	(a)(g)
9						
10						
11	STRIP, SEALING	1	ADHESIVE TAPE	TYPE II, B	JAN-P-1276 (A)	(f)
12						
13						
14						
15						
16						
17						
18						
19						
20						

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER.
(a) SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.
(b) ALTERNATIVE MATERIAL(N)-PRESSED FELT, NO. 10 OR 10 1/2, SPEC 8-15 (a).
(c) UNLESS OTHERWISE SPECIFIED THESE PARTS TO BE FURNISHED BY THE LOADER.
(d) PROTECTIVE FINISH:- CLEAN IN ACCORDANCE WITH GRADE II, TYPE 2, 3, 4, 5, OR 6, SPEC JAN-C-490 (a) FOLLOWED BY CLEAR LACQUER, SPEC 3-158 (a).
(e) COLORS OF ADHESIVE TAPE SHALL BE AS FOLLOWS:- YELLOW FOR HE-T AMMUNITION, BLACK FOR AP-T AMMUNITION AND DRILL CARTRIDGE, AND LIGHT BLUE FOR TP-T AMMUNITION.
(f) ANNEALED AND PICKLED.
(g) ALTERNATIVE MATERIALS ARE INTENDED TO BE USED WHEN PRESCRIBED MATERIALS ARE NOT AVAILABLE.

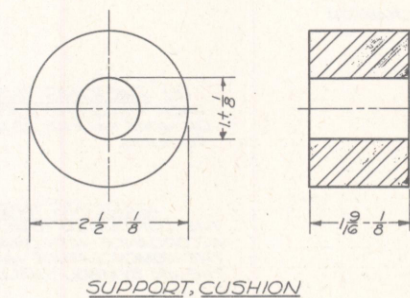
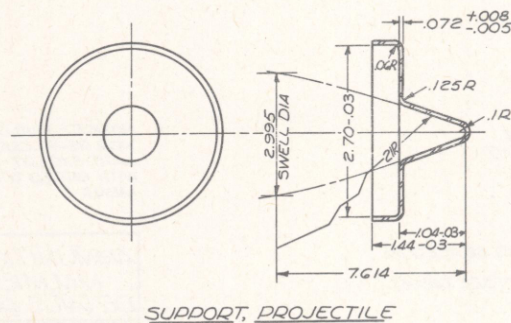
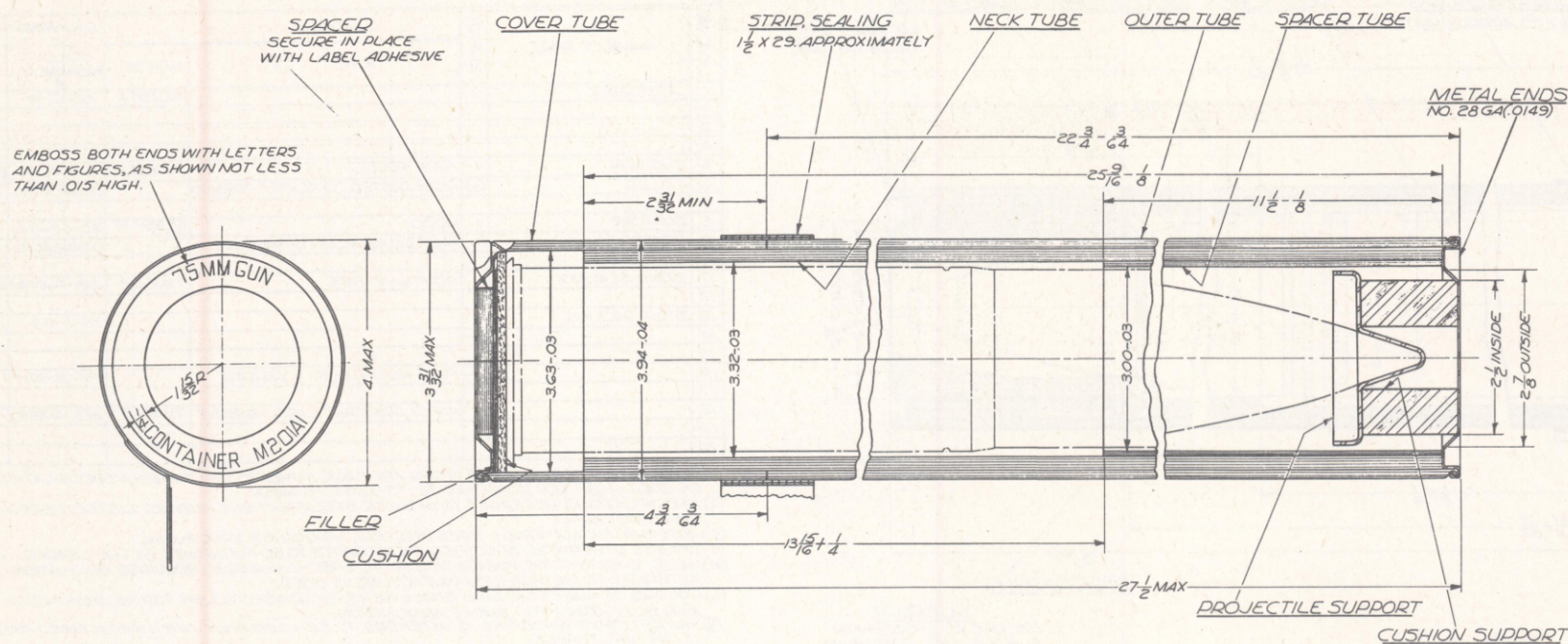
NOTICE:- THIS DRAWING SHALL NOT BE USED NOR REPRODUCED EITHER WHOLLY OR IN PART, EXCEPT WHEN AUTHORIZED IN CONNECTION WITH UNITED STATES GOVERNMENT PROCUREMENT.

AMMUNITION CONTAINER, FIBER, 37MM, M60BIA2. ASSEMBLY. DETAILS, PACKING AND MARKING.

SEPTEMBER 7, 1949	CLASS	DIVISION	DRAWING	FILE
REVISIONS	76	1	1109	
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED				
DECIMAL ±				
FRACTIONAL ±				
ANGULAR ±				
DRG. PERTAINS TO	CHECKER	REC	REC	ENGINEER
	A.C.U.			R.W.
SUBMITTED:				
ORD. ENG'D. DEPT. U.S.A.				
EXAMINED:				
C.R. Datta				
COL. ORD. DEPT. U.S.A.				
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:				
J. H. Davis				
COL. ORD. DEPT. U.S.A.				
D	ORDNANCE DEPT., U. S. A.			

SUPERSEDES FIBER CONTAINER M60BIA1 SHOWN ON PACKING INSTRUCTION PIF-18 AND 75-14-267 WITH CHANGE SEPTEMBER 7, 1949.

B-80544



(b) **PACKING INSTRUCTIONS**
PACK FIXED PROJECTILE AS SHOWN WITH ONE OR MORE FILLERS AS REQUIRED FOR TIGHT PACKING

MARKING INSTRUCTIONS
THE CONTAINER SHALL BE MARKED AND SEALED IN ACCORDANCE WITH DRAWING 75-14-629 THE NOMENCLATURE MARKING SHALL BE (SEE TABLE) THE AIC SYMBOL SHALL BE (SEE TABLE)

SPACER
2 3/8 DIA X 1/4 THICK

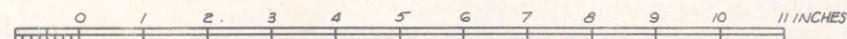
FILLED
2 1/2 X 2 1/2 X 1/16 THICK

CUSHION
2 1/2 X 2 1/2 X .125 ± .013 THICK

NOMENCLATURE MARKING	AIC SYMBOL
PROJECTILE FIXED APC-T MGIAI FOR 75 MM GUN M3, M6 AND M17	
PROJECTILE FIXED APC-T MGIAI W/STEEL CASE FOR 75MM GUN M3, M6 AND M17	
PROJECTILE FIXED APC-T MGIAI FOR 75MM GUN AN-M5AI M10 AND T9E1	

REMOVE ALL BURRS.

FOR PACKING BOX, SEE DWS 76-1-1259.



LIST OF PARTS

LINE NO	NAME OF PART	NO REQD	MATERIAL	DRAWING OR SPEC NUMBER	REMARKS
			KIND	GRADE	
1	ASSEMBLY	1		CLASS A	50-61-3
2					
3					
4					
5	CUSHION	1	HAIR FELT	TYPE II, CL B	8-144(a) (c)
6	FILLER	(b)	NO. 35 PASTED OR PLAIN CHIPBOARD		COMMERCIAL (d)
7					
8					
9					
10					
11	STRIP SEALING	1	ADHESIVE TAPE, YELLOW	TYPE II, B	JAN-P127 (d)
12	SPACER	1	PASTED OR PLAIN CHIPBOARD		COMMERCIAL
13	SUPPORT, CUSHION	1	SYNTHETIC RUBBER COMPOUND	R5-515-6A&F	20-116(a) (d)
14	SUPPORT, PROJECTILE	1	HOT-ROLLED STEEL STRIP	WD 100	57-136(a) (d)
15					
16					
17			WATER-RESISTANT LABEL ADHESIVE	TYPE IV	AXS 14726
18					
19					
20					

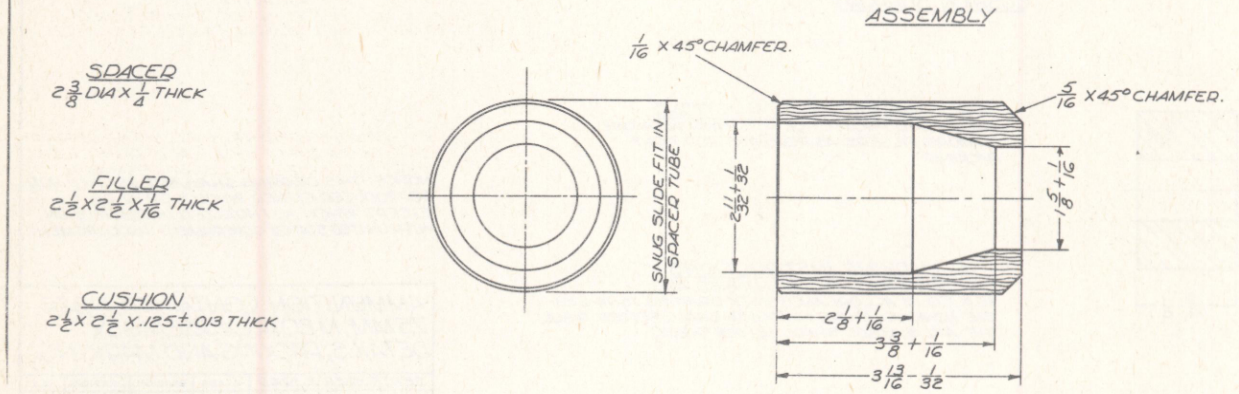
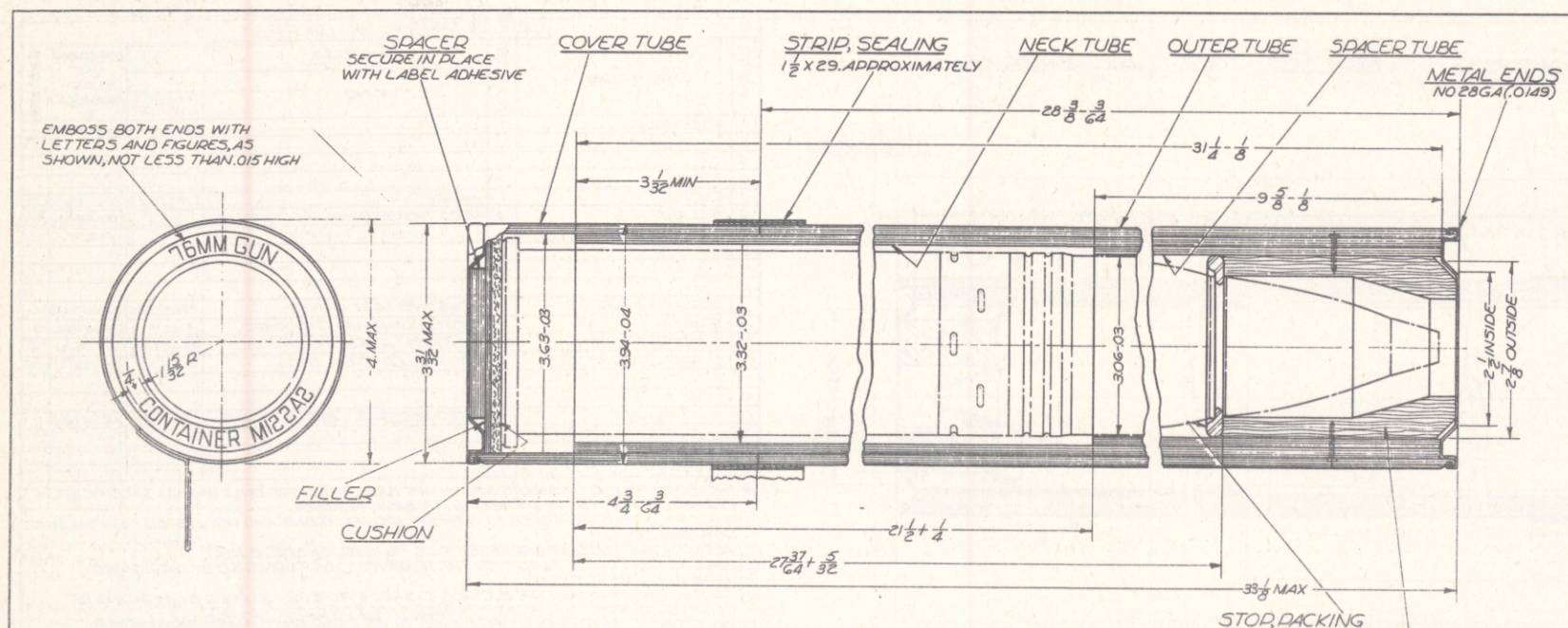
* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER.
(a) SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.
(c) ALTERNATIVE MATERIAL: PRESSED FELT, NO. 10 OR 10 1/2 SPEC 8-13(a)
(d) UNLESS OTHERWISE SPECIFIED THESE PARTS TO BE FURNISHED BY THE LOADER.
(e) ANNEALED AND PICKLED
(f) PROTECTIVE FINISH: TYPE II, CLASS "C" SPEC 57-0-2 (a) FOLLOWED BY A COATING OF OLIVE-DRAB RUST INHIBITING ENAMEL, TYPE I OR II, SPEC 3-18(a)
(g) ALTERNATIVE MATERIAL IS INTENDED TO BE USED ONLY WHEN PRESCRIBED MATERIAL IS NOT AVAILABLE.

NOTICE: THIS DRAWING SHALL NOT BE USED NOR REPRODUCED EITHER WHOLLY OR IN PART EXCEPT WHEN AUTHORIZED IN CONNECTION WITH UNITED STATES GOVERNMENT PROCUREMENT.

AMMUNITION CONTAINER, FIBER, 75MM, M201A1. ASSEMBLY, DETAILS, PACKING AND MARKING.

SEPTEMBER 9, 1949		CLASS	DIVISION	DRAWING	FILE
REVISIONS		76	1	1125	
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED					
DECIMAL ±					
FRACTIONAL ±					
ANGULAR ±					
ORG. PERTAINS TO		DESIGNED BY	TRACED BY	CHECKED BY	APPROVED BY
		EJS	EJS	EJS	EJS
		ACJ	ACJ	ACJ	ACJ
		SUBMITTED BY			
		ORD. ENGRD. DEPT. U.S.A.			
		EXAMINED BY			
		COL., ORD. DEPT. U.S.A.			
		APPROVED BY ORDER OF THE CHIEF OF ORDNANCE			
		ORD. DEPT. U.S.A.			
		D			
		ORDNANCE DEPT. U.S.A.			

SUPERSEDES FIBER CONTAINER M201 SHOWN ON PACKING INSTRUCTION PIF-18 AND 75-14-199 WITH CHANGE SEPTEMBER 9, 1949.

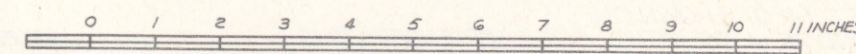


SUPPORT
MAY BE MADE FROM NOT MORE THAN 3 PIECES OF APPROXIMATELY EQUAL THICKNESS, SECURELY GLUED TOGETHER BEFORE TURNING.

NOMENCLATURE MARKING		AIC SYMBOL
SHELL FIXED HE M42A1 NORMAL CHARGE	SMOKELESS W/FUZE PD M51A5 .05 SEC DELAY FOR 76MM GUNS	
SHELL FIXED HE M42A1 REDUCED CHARGE	SMOKELESS W/FUZE PD M51A5 .05 SEC DELAY FOR 76MM GUNS	
SHELL FIXED HE M42A1	SMOKELESS W/FUZE MT 5Q M500 FOR 76MM GUNS	
SHELL FIXED SMOKE WDM312	SMOKELESS W/FUZE PD M48A3 .05 SEC DELAY FOR 76MM GUNS	
SHELL FIXED SMOKE WDM312 B2	SMOKELESS W/FUZE PD M48A3 .05 SEC DELAY FOR 76MM GUNS	

REMOVE ALL BURRS.

FOR PACKING BOX, SEE... 75-1-244



SUPERSEDES FIBER CONTAINER M122A1 SHOWN ON PACKING INSTRUCTION F-17-18 AND 75-14-422 WITH CHANGE SEPTEMBER 12, 1949.

LIST OF PARTS						
LINE NO	NAME OF PART	NO REQ'D	MATERIAL		DRAWING OR SPEC NUMBER	REMARKS
			KIND	GRADE		
1	ASSEMBLY	1		CLASS A	50-61-3	
2						
3						
4						
5	CUSHION	1	HAIR FELT	TYPE II, CL B	8-144(a)	(c)(d)
6	FILLER	(b)	NO. 35 PASTED OR PLAIN CHIPBOARD		COMMERCIAL	(d)
7						
8	SUPPORT	1	WOOD	GROUP III 52 1/2	50-62-4(a)	(e)
9	SPACER	1	PASTED OR PLAIN CHIPBOARD		COMMERCIAL	
10						
11	STRIP, SEALING	1	ADHESIVE TAPE	TYPE II, B	JAN-P-127(a)	(a)(f)
12						
13	STOP, PACKING	1			76-1-163	(a)
14						
15						
16		4	FLAT HEAD NAILS, 1/2 X 16 GAGE		FF-N-101	
17						
18			WATER RESISTANT LABEL ADHESIVE	TYPE IV	AXS-1472(a)	
19						
20						

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER.
(a) SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.
(c) ALTERNATIVE MATERIAL: DRESSED, FELT, NO. 10 OR 10 1/2 SPEC 8-15 (a).
(d) UNLESS OTHERWISE SPECIFIED THESE PARTS TO BE FURNISHED BY THE LOADER.
(e) GLUE, CASEIN-TYPE, WATER-RESISTANT, SPEC C-G-456 (a) REQUIRED ONLY WHEN ALTERNATIVE METHOD OF MANUFACTURE IS USED.
(f) COLORS OF ADHESIVE TAPE SHALL BE AS FOLLOWS: - YELLOW FOR HE AMMUNITION AND BLUE-GRAY FOR SMOKE AMMUNITION.
(g) ALTERNATIVE MATERIAL IS INTENDED TO BE USED ONLY WHEN PRESCRIBED MATERIAL IS NOT AVAILABLE.

(b) PACKING INSTRUCTIONS
PACK FIXED SHELL AS SHOWN WITH ONE OR MORE FILLERS AS REQUIRED, FOR TIGHT PACKING.

MARKING INSTRUCTIONS
THE CONTAINER SHALL BE MARKED AND SEALED IN ACCORDANCE WITH DRAWING 75-14-629. THE NOMENCLATURE MARKING SHALL BE (SEE TABLE) THE AIC SYMBOL SHALL BE (SEE TABLE)

NOTICE: THIS DRAWING SHALL NOT BE USED NOR REPRODUCED EITHER WHOLLY OR IN PART EXCEPT WHEN AUTHORIZED IN CONNECTION WITH UNITED STATES GOVERNMENT PROCUREMENT.

AMMUNITION CONTAINER, FIBER
76MM, M122A2 ASSEMBLY
DETAILS, PACKING AND MARKING

SEPTEMBER 12, 1949

REVISIONS	CLASS	DIVISION	DRAWING	FILE
1	76	1	1127	

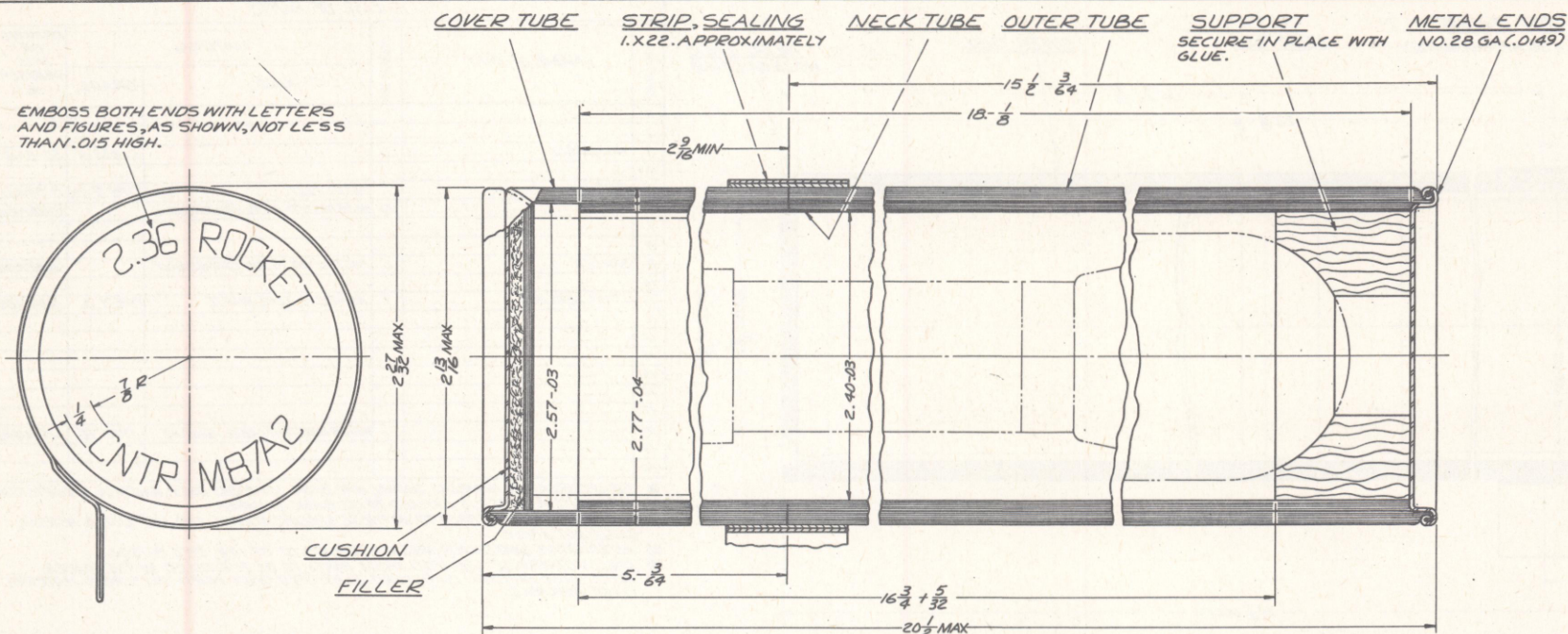
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED
DECIMAL: .005
FRACTIONAL: 1/32
ANGULAR: 1/2

DRG. PERTAINS TO
EJS EJS Rnd
ACV

EXAMINED
C. J. Dalton
COL. INF. U.S.A.

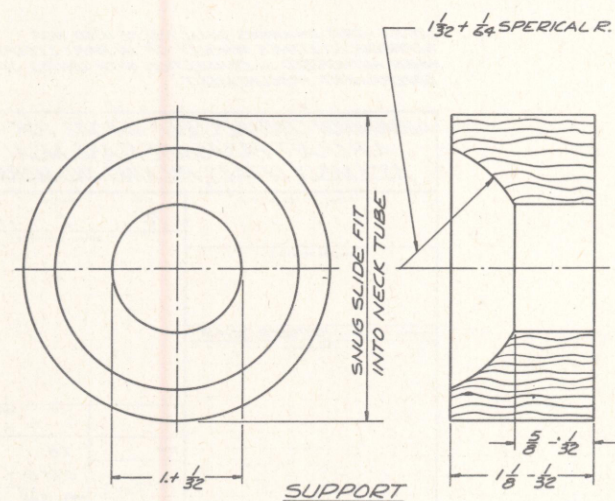
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE
COL. INF. U.S.A.

ORDNANCE DEPT., U.S.A.



FILLER
2 1/2 DIA X 1/16 THICK

CUSHION
2 1/2 DIA X .125 ± .013 THICK



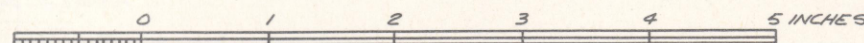
ASSEMBLY

(b) PACKING INSTRUCTIONS
PACK ROCKET AS SHOWN WITH ONE OR MORE FILLERS AS REQUIRED, FOR TIGHT PACKING.

MARKING INSTRUCTIONS
THE CONTAINER SHALL BE MARKED AND SEALED IN ACCORDANCE WITH DRAWING 75-14-629. THE NOMENCLATURE MARKING SHALL BE (SEE TABLE). THE AIC SYMBOL SHALL BE (SEE TABLE).

NOMENCLATURE MARKING	AIC SYMBOL
ROCKET HEAT 2.36 INCH M6A6	59AT
ROCKET PRACTICE AT 2.36 INCH M7A1	59A5

REMOVE ALL BURRS FOR PACKING BOX, SEE DWG 76-1-754.



LIST OF PARTS					
LINE NO.	NAME OF PART	NO. REQD	MATERIAL	DRAWING OR SPEC NUMBER	REMARKS
1	ASSEMBLY	1		CLASS B 50-61-3	
2					
3					
4					
5	CUSHION	1	HAIR, FELT	TYPE II, (LB 8-144 (a)) (26)	
6	FILLER	(b)	NO. 35 PASTED OR PLAIN CHIPBOARD	COMMERCIAL (6)	
7					
8					
9					
10	SUPPORT	1	WOOD	GROUP II, (LB 50-62-4 (a))	
11	STRIP, SEALING	1	ADHESIVE TAPE	TYPE II, B JAN-R27 (a) (6)	
12					
13					
14					
15					
16			GLUE	II	3-102 (a) (4)
17					
18					
19					
20					

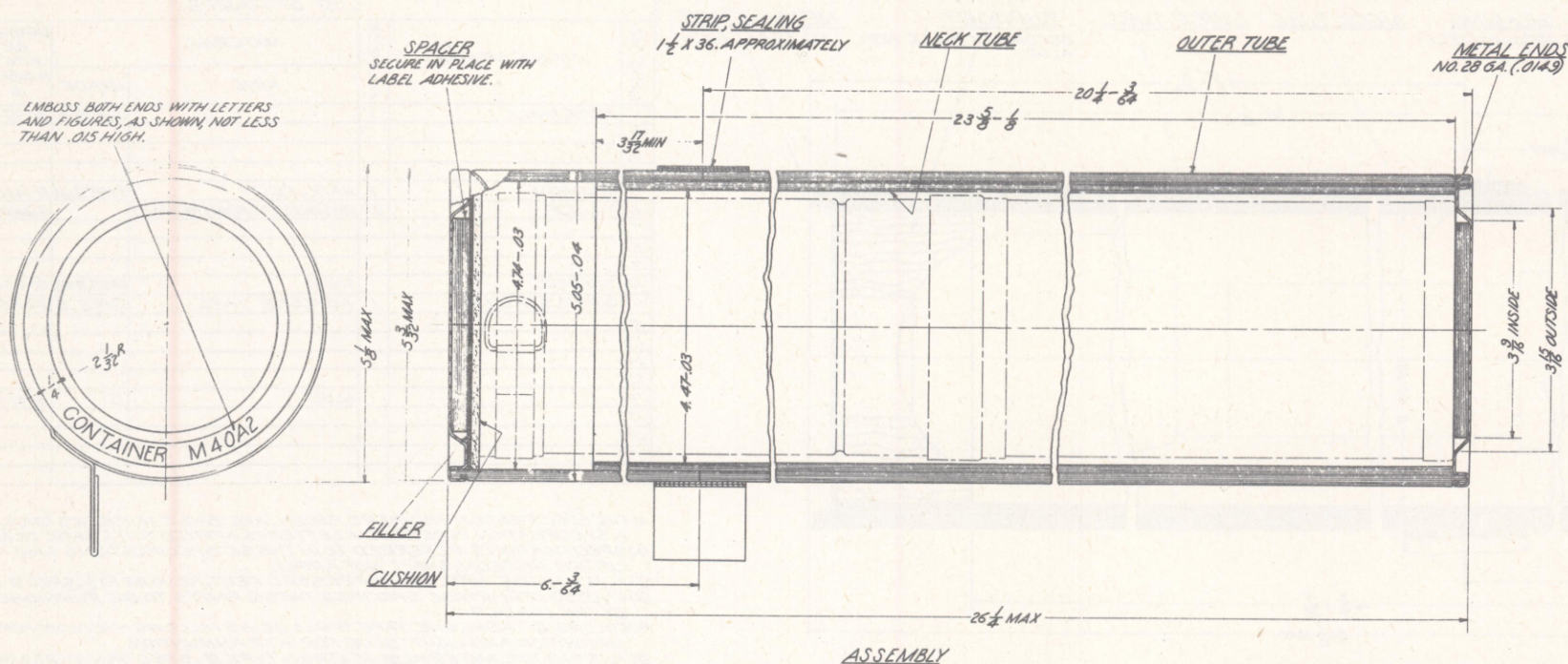
* THE SPECIFICATION NUMBERS SHOWN, ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER.
(a) SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.
(b) ALTERNATIVE MATERIAL (b) PRESSED FELT, NO. 10 OR 10 1/2, SPEC 8-15 (a).
(c) UNLESS OTHERWISE SPECIFIED THESE PARTS TO BE FURNISHED BY THE LOADER.
(d) COLORS OF ADHESIVE TAPE SHALL BE AS FOLLOWS: - YELLOW FOR HEAT AMMUNITION AND LIGHT-BLUE FOR ATP AMMUNITION.
(e) ALTERNATIVE MATERIAL (b) DEXTRIN, TYPE II, SPEC JAN-D-232 (a).
(f) ALTERNATIVE MATERIALS ARE INTENDED TO BE USED ONLY WHEN PRESCRIBED MATERIALS ARE NOT AVAILABLE.

NOTICE: - THIS DRAWING SHALL NOT BE USED NOR REPRODUCED EITHER WHOLLY OR IN PART EXCEPT WHEN AUTHORIZED IN CONNECTION WITH UNITED STATES GOVERNMENT PROCUREMENT.

AMMUNITION CONTAINER, FIBER, 2.36-INCH ROCKET, M87A2. ASSEMBLY DETAILS, PACKING, AND MARKING.

SEPTEMBER 13, 1949	CLASS	DIVISION	DRAWING	FILE
REVISIONS	76	1	1139	
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED				
DECIMAL 2				
FRACTIONAL 2				
ANGULAR 2				
DRG. PERTAINS TO	DESIGNER	TRACER	CHECKER	ENGINEER
	H.B.H.	H.B.H.	A.C.V.	R.M.
SUBMITTED:	M. H. H. (Signature)			
EXAMINED:	C. R. Dutton (Signature)			
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:	J. P. (Signature)			
D	ORDNANCE DEPT., U.S.A.			

SUPERSEDES FIBER CONTAINER M87A1 SHOWN ON PACKING INSTRUCTION PIF-18 AND 75-14-362 WITH CHANGE SEPTEMBER 13, 1949.



SPACER
3 1/2 DIA X 1/8 THICK

FILLER
3/4 X 3/4 X 1/8 THICK

CUSHION
3 1/4 X 3 1/4 X .125 ± .013 THICK

(6) PACKING INSTRUCTIONS

(b) PACKING INSTRUCTIONS
PACK FLARE AS SHOWN WITH ONE OR MORE FILLERS AS REQUIRED, FOR TIGHT PACKING.

MARKING INSTRUCTIONS

THE CONTAINER SHALL BE MARKED AND SEALED
IN ACCORDANCE WITH DRAWING 75-14-529.
THE NOMENCLATURE MARKINGS SHALL BE AS FOLLOWS:-
"FLARE AIRCRAFT PARACHUTE M8A1"
EXPEND BEFORE ☐-☐-☐—NOTE-A
THE A/C SYMBOL SHALL BE

NOTES:-

NOTES:-
A-INSERT DATE (SIX YEARS AFTER DATE OF
MANUFACTURE).

SUPERSEDES 75-14-208, -209, 76-1-247, -248, AND -249 WITH CHANGE OCTOBER 17, 1949.

LIST OF PARTS					
LINE NO.	NAME OF PART	NO. REQ'D	MATERIAL		DRAWING OR SPEC NUMBER *
			KIND	GRADE	
1					
2					
3	ASSEMBLY	1		CLASS A	50-61-3
4					
5	CUSHION	1	HAIR FELT	TYPE II, CLS	8-14-4 (2) (1)
6	FILER	(2)	NO. 35 PASTED OR PLAIN CHIPBOARD		CAMMETERIAL (6)
7					
8					
9	SPACER	2	PASTED OR PLAIN CHIPBOARD		CAMMETERIAL
10					
11	STRIP, SEALING	1	ADHESIVE TAPE, WHITE	TYPE II, B	JAN-P-1280 (6)
12					
13					
14					
15					
16					
17					
18			WATER RESISTANT LABEL ADHESIVE	TYPE II	AKS-472 (6)
19					
20					

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REPEATED A LETTER IS AFFIXED TO ITS BASIC NUMBER.

(a) SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

(c) ALTERNATIVE MATERIALS: (a) PRESSED FELT, NO. 10 OR 10 1/2, SPEC 8-15 (a)

(e) UNLESS OTHERWISE SPECIFIED, THESE PARTS TO BE FURNISHED BY THE LOADER.

(f) ALTERNATIVE MATERIAL IS INTENDED TO BE USED ONLY WHEN PRESCRIBED MATERIAL IS NOT AVAILABLE.

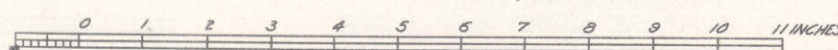
NOTICE:-THIS DRAWING SHALL NOT BE USED NOR
REPRODUCED EITHER WHOLLY OR IN PART EXCEPT
WHEN AUTHORIZED IN CONNECTION WITH UNITED STATES
GOVERNMENT PROCUREMENT.

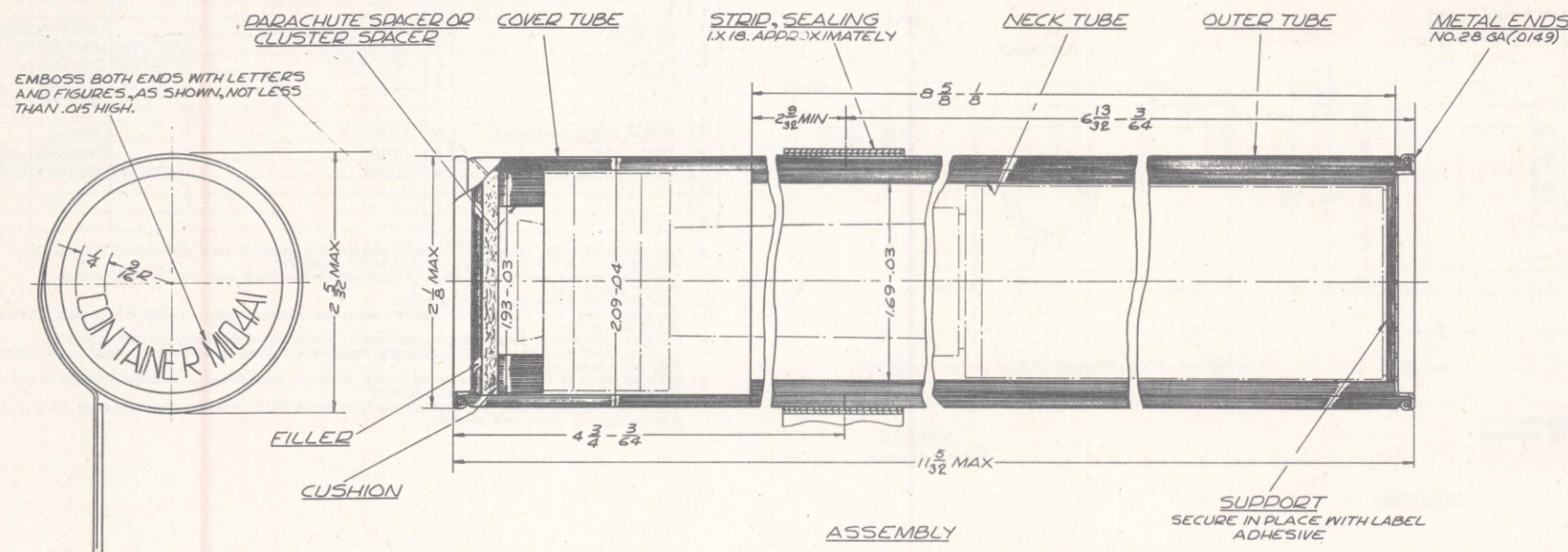
AMMUNITION CONTAINER, FIBER, M40A2 FOR
AIRCRAFT PARACHUTE FLARE M8A1.
ASSEMBLY, DETAILS, PACKING AND MARKING

PLANT "TREATMENT" & PROTECTIVE FINISH	CLASS 76 DIVISION 1 DRAWING 1142										
PHYSICAL HISTORY-THIS	DRAWING PERTAINS TO										
ORIGINAL DATE OF DRAWING OCTOBER 17, 1949 REVISIONS											
	<table border="1"> <tr> <th data-bbox="2434 1536 2531 1559">WEIGHT</th><th data-bbox="2531 1536 2651 1559">TO NOT APPLY W.T. IN CASE NEW SIZE</th></tr> <tr> <td data-bbox="2434 1559 2531 1583">TERMS</td><td data-bbox="2531 1559 2651 1583">T.O. A.C.J.</td></tr> <tr> <td data-bbox="2434 1583 2531 1678">TOLERANCE IN DIMENSIONS <i>not built</i> STANDARD <i>not built</i> STANDARD</td><td data-bbox="2531 1583 2651 1678"><i>not built</i> STANDARD <i>not built</i> STANDARD</td></tr> <tr> <td data-bbox="2434 1678 2531 1713">EXAMINED</td><td data-bbox="2531 1678 2651 1713">C.R. Sutton COL.</td></tr> <tr> <td data-bbox="2434 1713 2531 1755">APPROVED</td><td data-bbox="2531 1713 2651 1755"><i>J.H. Sullivan</i> COL.</td></tr> </table>	WEIGHT	TO NOT APPLY W.T. IN CASE NEW SIZE	TERMS	T.O. A.C.J.	TOLERANCE IN DIMENSIONS <i>not built</i> STANDARD <i>not built</i> STANDARD	<i>not built</i> STANDARD <i>not built</i> STANDARD	EXAMINED	C.R. Sutton COL.	APPROVED	<i>J.H. Sullivan</i> COL.
WEIGHT	TO NOT APPLY W.T. IN CASE NEW SIZE										
TERMS	T.O. A.C.J.										
TOLERANCE IN DIMENSIONS <i>not built</i> STANDARD <i>not built</i> STANDARD	<i>not built</i> STANDARD <i>not built</i> STANDARD										
EXAMINED	C.R. Sutton COL.										
APPROVED	<i>J.H. Sullivan</i> COL.										
D	OF SPACE										

REMOVE ALL BURRS

FOR PACKING BOX, SEE DWG 76-16-212





FILLER
1 7/8 DIA X 1/16 THICK

CUSHION
1 7/8 DIA X .125 ± .013 THICK

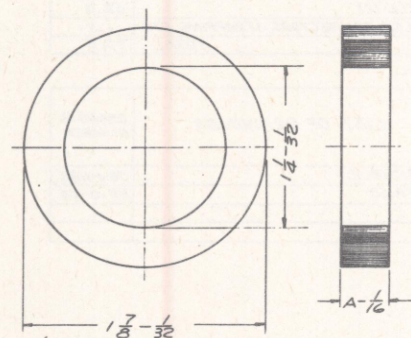
SUPPORT
1 7/8 DIA X 1/16 THICK

(b) PACKING INSTRUCTIONS

PACK SIGNAL (USING PARACHUTE SPACER WITH PARACHUTE OR SMOKE SIGNAL AND CLUSTER SPACER WITH CLUSTER SIGNAL). USE FILLERS AS REQUIRED FOR TIGHT PACKING, PLACING IN POSITION SHOWN.

MARKING INSTRUCTIONS

THE CONTAINER SHALL BE MARKED AND SEALED IN ACCORDANCE WITH DRAWING 75-14-629. THE NOMENCLATURE MARKING SHALL BE (SEE TABLE) THE A I C SYMBOL SHALL BE (SEE TABLE)



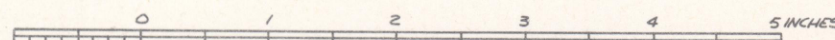
SPACER, PARACHUTE
DIM A = 0 3/8

SPACER, CLUSTER
DIM A = 0 1/2

NOMENCLATURE MARKING	A I C SYMBOL
SIGNAL GROUND WHITE - STAR PARACHUTE M1A1	
SIGNAL GROUND GREEN - STAR PARACHUTE M19A1	
SIGNAL GROUND AMBER - STAR PARACHUTE M21A1	
SIGNAL GROUND RED - STAR PARACHUTE M51A1	
SIGNAL GROUND WHITE - STAR CLUSTER M18A1	
SIGNAL GROUND GREEN - STAR CLUSTER M20A1	
SIGNAL GROUND AMBER - STAR CLUSTER M22A1	
SIGNAL GROUND RED - STAR CLUSTER M52A1	
SIGNAL GROUND SMOKE RED M62	
SIGNAL GROUND SMOKE YELLOW M64	
SIGNAL GROUND SMOKE GREEN M65	
SIGNAL GROUND SMOKE VIOLET M66	

REMOVE ALL BURRS

FOR PACKING BOX, SEE DWS 76-16-232



LIST OF PARTS

LINE NO.	NAME OF PART	NO. REQ'D	MATERIAL		DRAWING OR SPEC NUMBER	REMARKS
			KIND	GRADE		
1						
2						
3	ASSEMBLY	1		CLASS B	50-61-3	
4						
5	CUSHION	1	HAIR FELT	TYPE II, CLB-144 (a)	6X4	
6	FILLER	(b)	NO. 35 PASTED OR PLAIN CHIPBOARD		COMMERCIAL (d)	
7						
8	SPACER, CLUSTER	1	PLAIN CHIPBOARD		50-61-3 (d)	
9	SPACER, PARACHUTE	1	PLAIN CHIPBOARD		50-61-3 (d)	
10						
11	STRIP, SEALING	1	ADHESIVE TAPE, WHITE	TYPE II, B	JAN-P-1276 (d)	
12	SUPPORT	1	NO. 35 PASTED OR PLAIN CHIPBOARD		COMMERCIAL	
13						
14						
15						
16						
17						
18			WATER RESISTANT LABEL ADHESIVE	TYPE II	AXS-1476 (d)	
19						
20						

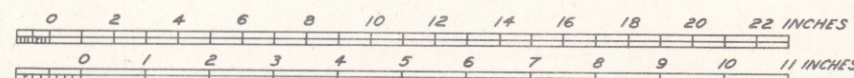
* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER.
(a) SPECIFICATION'S REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.
(b) ALTERNATIVE MATERIAL (b)-PRESSED FELT, NO. 10 OR 10 1/2, SPEC 8-15 (a).
(c) UNLESS OTHERWISE SPECIFIED THESE PARTS TO BE FURNISHED BY THE LOADER.
(d) ALTERNATIVE MATERIAL IS INTENDED TO BE USED ONLY WHEN PRESCRIBED MATERIAL IS NOT AVAILABLE.

NOTICE: THIS DRAWING SHALL NOT BE USED NOR REPRODUCED EITHER WHOLLY OR IN PART EXCEPT WHEN AUTHORIZED IN CONNECTION WITH UNITED STATES GOVERNMENT PROCUREMENT.

AMMUNITION CONTAINER, FIBER, M104A1
FOR GROUND SIGNAL.
ASSEMBLY, DETAILS, PACKING AND MARKING.

HEAT TREATMENT & PROTECTIVE FINISH		CLASS	DIVISION	DRAWING
		76	1	1143
DRAWING PERTAINS TO				
PHYSICAL PROPERTIES				
ORIGINAL DATE OF DRAWING JANUARY 9, 1950				
REVISIONS				
WEIGHT				
DO NOT APPLY PART NO. (As Specified)				
SCALE				
R.E.C. R.C.				
TOLERANCES UNLESS OTHERWISE SPECIFIED (SEE TABLE)				
SUBMITTED BY				
APPROVED BY				
DATE				
DRAWN BY				
CHECKED BY				
APPROVED BY				
DATE				
STORAGE DEPT				

SUPERSEDES 75-14-393, 76-1-497 AND -498 WITH CHANGE JANUARY 9, 1950.



*THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER.

SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

(b) WEIGHT UNGUMMED, 32LB PER 1000 SHEETS, 17 X 22. INCHES.

(c) ALTERNATIVE MATERIAL: (a) TAPE, ADHESIVE, PRESSURE-SENSITIVE, WATER-RESISTANT, TYPE III, GRADE A, BLACK, WHITE OR OLIVE DRAB COLOR, SPEC JAN-P-127

(d) MAY BE APPLIED OR OMITTED AT THE OPTION OF THE LOADER.

(e) ALTERNATIVE MATERIAL: (b) DEXTRIN, TYPE I, SPEC JAN-D-232.

(f) SEALER NO. 6, PRODUCT OF DEARBORN CHEMICAL COMPANY, CHICAGO 4, ILLINOIS OR APPROVED SUBSTANTIAL EQUAL.

(g) ALTERNATIVE MATERIALS ARE INTENDED TO BE USED ONLY WHEN PRESCRIBED MATERIALS ARE NOT AVAILABLE.

(h) 125 POUND MINIMUM TEST BOARD.

NOTICE:-THIS DRAWING SHALL NOT BE USED NOR REPRODUCED
EITHER WHOLLY OR IN PART EXCEPT WHEN AUTHORIZED
IN CONNECTION WITH UNITED STATES GOVERNMENT PROCUREMENT.

CARTON, PACKING, AMMUNITION, FOR CATAPULT WITH
CARTRIDGE, AIRCRAFT PERSONNEL, M1 OR AIRCRAFT
PERSONNEL TRAINING, M2, ASSEMBLY DETAILS & PACKING

[illegible]



* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER.

- (a) SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.
- (b) NOT REQUIRED WHEN WIRE IS USED.
- (c) ALTERNATIVE MATERIAL-GROUND STEEL WIRE NO. 14 (0B) GAGE, TENSILE STRENGTH = 100,000 POUNDS PER SQUARE INCH, SPEC JAN-P-106.(a)
- (d) UNLESS OTHERWISE SPECIFIED THESE PARTS SHALL BE FURNISHED BY THE LOADER.
- (f) ALTERNATIVE MATERIAL-SOLID WATER RESISTANT COMPOSITION BOARD, TYPE I, $\frac{1}{16}$ THICK SPEC AIS-1623.
- (g) SPECIFICATION APPLIES EXCEPT FOR DEVIATION IN NAILING PATTERN AS SHOWN. 10d NAILS SHALL BE USED WHEN NAILING SIDES AND BOTTOM TO ENDS AND END CLEATS.
- (h) ALTERNATIVE MATERIALS ARE INTENDED TO BE USED ONLY WHEN PRESCRIBED MATERIALS ARE NOT AVAILABLE.
- (k) SECURE CLEATS TO ENDS WITH 8d NAILS.

CONNECTOR
2 1/2 MAX FOR 5/8 STRAPPING.

FILLER
 $8\frac{1}{4} \times 4\frac{3}{8}$

SEAL, CAR
.5 DIA X .15 THICK WITH
NON-SLIP WIRE .056 DIA
X 6. LONG.

STRAPPING
5 x .02 x 42. LONG

(e) *PACKING INSTRUCTIONS*

INSERT 4 CATAPULTS (IN CARTONS) IN BOX. ADD ONE OR MORE FILLERS AS REQUIRED TO PACK CONTENTS TIGHTLY. ANY ADDITIONAL W55 OR W65 FIBERBOARD FILLER MATERIAL CONSIDERED NECESSARY TO PRODUCE TIGHT PACKING WILL BE ADDED ALONG THE SIDES AND ENDS.

MARKING INSTRUCTIONS

THIS BOX SHALL BE MARKED IN ACCORDANCE WITH DRAWING 20-4-613.
THE ICC NOMENCLATURE TO BE APPLIED SHALL BE:
"AMMUNITION FOR CANNON WITHOUT PROJECTILE."
THE DESCRIPTIVE NOMENCLATURE OF THE ITEM PACKED SHALL BE-SEE TABLE.

THE CUBICAL DISPLACEMENT SHALL BE "2.63."
THE AIC SYMBOL SHALL BE:-SEE TABLE.

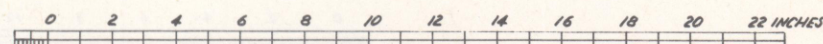
LINE NO	LIST OF DRAWINGS	DRAWING NUMBER
1	ASSEMBLY	76-1-1210
2	DETAILS	76-0-46
3		
4		

NOTICE: THIS DRAWING SHALL NOT BE USED OR REPRODUCED EITHER WHOLLY OR IN PART EXCEPT WHEN AUTHORIZED IN CONNECTION WITH UNITED STATES GOVERNMENT PROCUREMENT.

BOX, PACKING, AMMUNITION, FOR CATAPULT WITH
CARTRIDGE, AIRCRAFT PERSONNEL, MI OR AIRCRAFT
PERSONNEL TRAINING, M2. ASSEMBLY, DETAILS & PACKING

[illegible]

FOR CLOSING, SEALING AND STRAPPING INSTRUCTIONS, SEE DWG 20-4-613.
FOR CARTON, SEE DWG 76-1-1209



CL & DIV

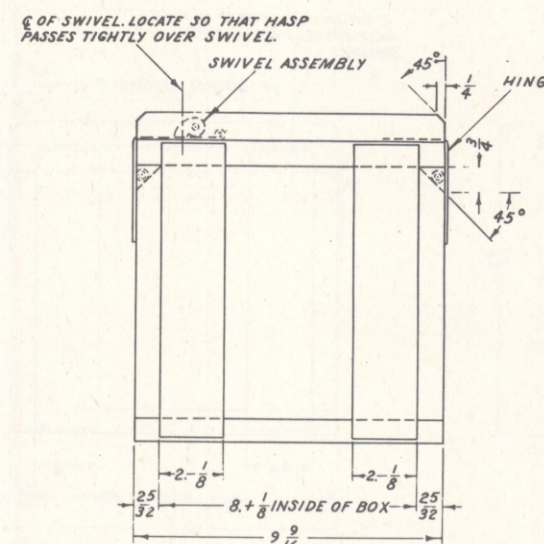
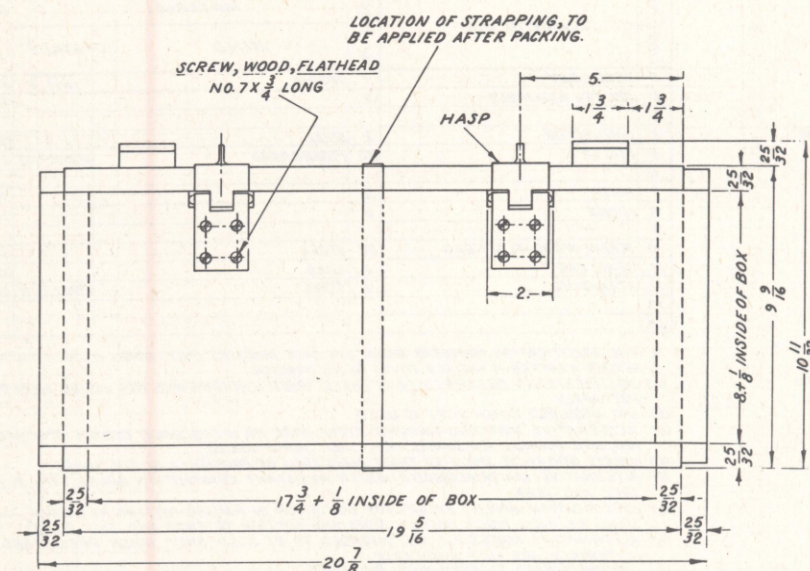
D

LIST OF PARTS

LINE NO.	NAME OF PART	NO. REQ'D	MATERIAL		DRAWING OR SPEC NUMBER	REMARKS
			KIND	GRADE		
1	ASSEMBLY	1	WOOD	ATYPICAL	50-62-4	
2	SWIVEL ASSEMBLY	2			76-0-46	
3						
4	CONNECTOR	1	STEEL		COMMERCIAL (b) (d)	
5	FILLER	(e)	FIBERBOARD		W55 OR W65 JAN-P-108 (g) (d) (f)	
6						
7	HASP	2			76-0-46	
8	HINGE	2			76-0-46	
9						
10	SCREW, WOOD, FLATHEAD	32	STEEL		FF-S-111	
11	SEAL, CAR	2	LEAD		COMMERCIAL (d)	
12	STRAPPING	1	STEEL		TYPE I, CL B QQ-S-781 (a) (c) (d)	
13						
14						
15						
16						

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER.
 (a) SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.
 (b) NOT REQUIRED WHEN WIRE IS USED.
 (c) ALTERNATIVE MATERIAL: (g) ROUND STEEL WIRE NO. 14 (08) GAGE, TENSILE STRENGTH = 100,000 POUNDS PER SQUARE INCH, SPEC JAN-P-106. (a)
 (d) UNLESS OTHERWISE SPECIFIED THESE PARTS SHALL BE FURNISHED BY THE LOADER.
 (f) ALTERNATIVE MATERIAL: (g) SOLID WATER RESISTANT COMPOSITION BOARD, TYPE I, $\frac{1}{16}$ THICK, SPEC AXS-1623.
 (g) ALTERNATIVE MATERIALS ARE INTENDED TO BE USED ONLY WHEN PRESCRIBED MATERIALS ARE NOT AVAILABLE.

LINE NO.	WEIGHTS (ESTIMATED)	
	PART	POUNDS
1	BOX (EMPTY)	12.0
2	CARTON, COMPLETE (4)	10.0
3	FILLER, CONNECTOR, STRAPPING, ETC	1.0
4	REMOVERS (4)	11.0
5		
6	TOTAL	34.0



ASSEMBLY

CONNECTOR
 $2\frac{1}{2}$ MAX FOR $\frac{5}{8}$ STRAPPING.

FILLER
 $7\frac{3}{4} \times 17\frac{1}{2}$

SEAL, CAR
 .5 DIA X .15 THICK
 WITH NON-SLIP WIRE
 .056 DIA X 6 LONG.

STRAPPING
 $\frac{1}{2}$ X .02 X 42 LONG.

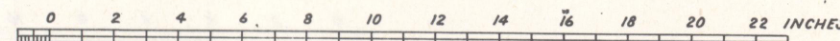
MARKING INSTRUCTIONS
 THE BOX SHALL BE MARKED IN ACCORDANCE WITH DRAWING 20-4-613.
 THE ICC NOMENCLATURE TO BE APPLIED SHALL BE "AMMUNITION FOR CANNON WITH EMPTY PROJECTILE".
 THE DESCRIPTIVE NOMENCLATURE OF THE ITEM PACKED SHALL BE "4-REMOVERS W/CARTRIDGE AIRCRAFT CANOPY MI."
 THE CUBICAL DISPLACEMENT SHALL BE "1.19".
 THE AIC SYMBOL SHALL BE "33MMA".

(e) PACKING INSTRUCTIONS
 INSERT 4 REMOVERS (IN CARTONS) IN BOX. ADD ONE OR MORE FILLERS TO PACK CONTENTS TIGHTLY. ANY ADDITIONAL W55 OR W65 FIBERBOARD FILLER MATERIAL NECESSARY TO PRODUCE TIGHT PACKING WILL BE ADDED ALONG THE SIDES AND ENDS.

LINE NO.	LIST OF DRAWINGS	DRAWING NUMBER
1	ASSEMBLY	76-1-1211
2	DETAILS	76-0-46
3		
4		

NOTICE: THIS DRAWING SHALL NOT BE USED NOR REPRODUCED EITHER WHOLLY OR IN PART EXCEPT WHEN AUTHORIZED IN CONNECTION WITH UNITED STATES GOVERNMENT PROCUREMENT.

FOR CLOSING, SEALING AND STRAPPING INSTRUCTIONS, SEE DWG 20-4-613. FOR CARTON, SEE DWG 76-1-1212.

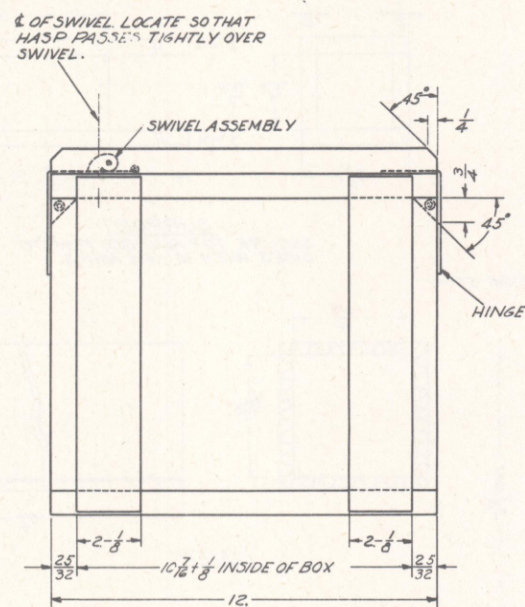


BOX, PACKING, AMMUNITION, FOR REMOVER WITH CARTRIDGE, AIRCRAFT CANOPY, MI. ASSEMBLY, DETAILS AND PACKING.

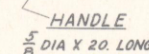
HEAT TREATMENT & PROTECTIVE FINISH	CLASS	DIVISION	DRAWING
	76	1	1211
PHYSICAL PROPERTIES	DRAWING PERTAINS TO		
ORIGINAL DATE OF DRAWING	APR 6, 1949		
REVISIONS			
WEIGHT	DO NOT	APPLY PART NO.	
SCALE	DO	(As Specified)	
TOLERANCES ON DIMENSIONS			
APPROVED BY	J. H. Bauman		
CHECKED BY	J. H. Bauman		
DRAWN BY	J. H. Bauman		
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BY	J. H. Bauman		
FOR	J. H. Bauman		



HEAD TREATMENT & FORTIFYING EXERCISE CLASS 76 DIVISION 1 DRAWING 1212 DRAWING PERTAINS TO NO. 1 NO. 2 NO. 3 NO. 4 NO. 5 NO. 6 NO. 7 NO. 8 NO. 9 NO. 10 NO. 11 NO. 12 NO. 13 NO. 14 NO. 15 NO. 16 NO. 17 NO. 18 NO. 19 NO. 20 NO. 21 NO. 22 NO. 23 NO. 24 NO. 25 NO. 26 NO. 27 NO. 28 NO. 29 NO. 30 NO. 31 NO. 32 NO. 33 NO. 34 NO. 35 NO. 36 NO. 37 NO. 38 NO. 39 NO. 40 NO. 41 NO. 42 NO. 43 NO. 44 NO. 45 NO. 46 NO. 47 NO. 48 NO. 49 NO. 50 NO. 51 NO. 52 NO. 53 NO. 54 NO. 55 NO. 56 NO. 57 NO. 58 NO. 59 NO. 60 NO. 61 NO. 62 NO. 63 NO. 64 NO. 65 NO. 66 NO. 67 NO. 68 NO. 69 NO. 70 NO. 71 NO. 72 NO. 73 NO. 74 NO. 75 NO. 76 NO. 77 NO. 78 NO. 79 NO. 80 NO. 81 NO. 82 NO. 83 NO. 84 NO. 85 NO. 86 NO. 87 NO. 88 NO. 89 NO. 90 NO. 91 NO. 92 NO. 93 NO. 94 NO. 95 NO. 96 NO. 97 NO. 98 NO. 99 NO. 100 NO. 101 NO. 102 NO. 103 NO. 104 NO. 105 NO. 106 NO. 107 NO. 108 NO. 109 NO. 110 NO. 111 NO. 112 NO. 113 NO. 114 NO. 115 NO. 116 NO. 117 NO. 118 NO. 119 NO. 120 NO. 121 NO. 122 NO. 123 NO. 124 NO. 125 NO. 126 NO. 127 NO. 128 NO. 129 NO. 130 NO. 131 NO. 132 NO. 133 NO. 134 NO. 135 NO. 136 NO. 137 NO. 138 NO. 139 NO. 140 NO. 141 NO. 142 NO. 143 NO. 144 NO. 145 NO. 146 NO. 147 NO. 148 NO. 149 NO. 150 NO. 151 NO. 152 NO. 153 NO. 154 NO. 155 NO. 156 NO. 157 NO. 158 NO. 159 NO. 160 NO. 161 NO. 162 NO. 163 NO. 164 NO. 165 NO. 166 NO. 167 NO. 168 NO. 169 NO. 170 NO. 171 NO. 172 NO. 173 NO. 174 NO. 175 NO. 176 NO. 177 NO. 178 NO. 179 NO. 180 NO. 181 NO. 182 NO. 183 NO. 184 NO. 185 NO. 186 NO. 187 NO. 188 NO. 189 NO. 190 NO. 191 NO. 192 NO. 193 NO. 194 NO. 195 NO. 196 NO. 197 NO. 198 NO. 199 NO. 200 NO. 201 NO. 202 NO. 203 NO. 204 NO. 205 NO. 206 NO. 207 NO. 208 NO. 209 NO. 210 NO. 211 NO. 212 NO. 213 NO. 214 NO. 215 NO. 216 NO. 217 NO. 218 NO. 219 NO. 220 NO. 221 NO. 222 NO. 223 NO. 224 NO. 225 NO. 226 NO. 227 NO. 228 NO. 229 NO. 230 NO. 231 NO. 232 NO. 233 NO. 234 NO. 235 NO. 236 NO. 237 NO. 238 NO. 239 NO. 240 NO. 241 NO. 242 NO. 243 NO. 244 NO. 245 NO. 246 NO. 247 NO. 248 NO. 249 NO. 250 NO. 251 NO. 252 NO. 253 NO. 254 NO. 255 NO. 256 NO. 257 NO. 258 NO. 259 NO. 260 NO. 261 NO. 262 NO. 263 NO. 264 NO. 265 NO. 266 NO. 267 NO. 268 NO. 269 NO. 270 NO. 271 NO. 272 NO. 273 NO. 274 NO. 275 NO. 276 NO. 277 NO. 278 NO. 279 NO. 280 NO. 281 NO. 282 NO. 283 NO. 284 NO. 285 NO. 286 NO. 287 NO. 288 NO. 289 NO. 290 NO. 291 NO. 292 NO. 293 NO. 294 NO. 295 NO. 296 NO. 297 NO. 298 NO. 299 NO. 300 NO. 301 NO. 302 NO. 303 NO. 304 NO. 305 NO. 306 NO. 307 NO. 308 NO. 309 NO. 310 NO. 311 NO. 312 NO. 313 NO. 314 NO. 315 NO. 316 NO. 317 NO. 318 NO. 319 NO. 320 NO. 321 NO. 322 NO. 323 NO. 324 NO. 325 NO. 326 NO. 327 NO. 328 NO. 329 NO. 330 NO. 331 NO. 332 NO. 333 NO. 334 NO. 335 NO. 336 NO. 337 NO. 338 NO. 339 NO. 340 NO. 341 NO. 342 NO. 343 NO. 344 NO. 345 NO. 346 NO. 347 NO. 348 NO. 349 NO. 350 NO. 351 NO. 352 NO. 353 NO. 354 NO. 355 NO. 356 NO. 357 NO. 358 NO. 359 NO. 360 NO. 361 NO. 362 NO. 363 NO. 364 NO. 365 NO. 366 NO. 367 NO. 368 NO. 369 NO. 370 NO. 371 NO. 372 NO. 373 NO. 374 NO. 375 NO. 376 NO. 377 NO. 378 NO. 379 NO. 380 NO. 381 NO. 382 NO. 383 NO. 384 NO. 385 NO. 386 NO. 387 NO. 388 NO. 389 NO. 390 NO. 391 NO. 392 NO. 393 NO. 394 NO. 395 NO. 396 NO. 397 NO. 398 NO. 399 NO. 400 NO. 401 NO. 402 NO. 403 NO. 404 NO. 405 NO. 406 NO. 407 NO. 408 NO. 409 NO. 410 NO. 411 NO. 412 NO. 413 NO. 414 NO.	
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SUPERSEDES 20-4-577 AND 76-16-45 IN PART WITH CHANGE APRIL 20, 1949



* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER

a. SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

b. NOT REQUIRED WHEN WIRE IS USED.

c. ALTERNATIVE MATERIAL A -- ROUND STEEL WIRE NO.13 (0.091) GAGE, TENSILE STRENGTH IS 100,000 POUNDS PER SQUARE INCH, SPEC JAN-P-106. a

d. ALTERNATIVE MATERIAL A -- SOLID WATER RESISTANT COMPOSITION BOARD TYPE I, 1/8 THICK, SPEC MIL-B-3106.

e. UNLESS OTHERWISE SPECIFIED THESE PARTS SHALL BE FURNISHED BY THE LOADER.

g. USE CARRIAGE BOLT PC MAY 76-I-531A.

A. ALTERNATIVE MATERIALS ARE INTENDED TO BE USED ONLY WHEN PRESCRIBED MATERIALS ARE NOT AVAILABLE.

WARNING INSTRUCTIONS
THE BOX SHALL BE MARKED IN ACCORDANCE WITH DRAWING 20-4-613.
THE ICC NOMENCLATURE TO BE APPLIED SHALL BE (SEE TABLE)
THE DESCRIPTIVE NOMENCLATURE, CALIBER AND WEAPON DESIGNATION OF
THE ITEM PACKED SHALL BE (SEE TABLE)
THE CUBICAL DISPLACEMENT SHALL BE "2.42"
THE AIC SYMBOL SHALL BE (SEE TABLE)

NOTES:- GRAIN OF WOOD IN INSIDE PIECE OF ENDS MUST BE AT RIGHT ANGLES TO OUTSIDE PIECE AND SHALL BE NAILED WITH NOT LESS THAN 5-8d NAILS THROUGH INNER AND OUTER END PIECES INTO CLEATS SIDES TOP AND BOTTOM TO EACH ONE EACH OF MAJOR PROVISIONS OF THE SPECIFICATION RELATIVE TO THE USE OF NARROW BOARDS APPLY AND ALL JOINTS MUST BE LINDERMAN OR TONGUE AND GROOVED THE FIXED END SHALL BE NAILED TO TOP BOTTOM AND SIDES WITH NOT LESS THAN 12-8d NAILS, 2 IN EACH SIDE AND 4 EACH IN TOP AND BOTTOM. NAILING OF END CLEATS AND TOP AND BOTTOM TO SIDES SHALL BE IN ACCORDANCE WITH NAILING SPECIFIED FOR A STYLE 4 BOX. EXCEPT CLEATS WILL BE ATTACHED TO ENDS WITH 7d NAILS.

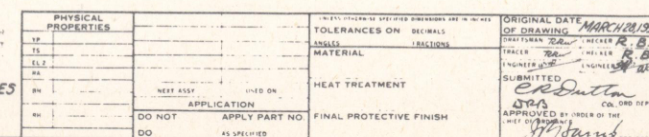
PACK ONE CONTAINER COVER END UP, THE OTHER COVER END DOWN. INSERT ONE OR MORE
FILLERS AS REQUIRED TO PACK CONTENTS TIGHTLY. ANY ADDITIONAL W35 OR W65
FIBERBOARD MATERIAL NECESSARY TO PRODUCE TIGHT PACKING WILL BE ADDED
ALONG SIDES, TOP OR BOTTOM. ASSEMBLE LOOSE END AND PLACE WASHER ON
BOLT THEN SECURE WITH THUMB NUT. INSERT CAR SEAL IN HOLE ON END OF
BOLT AND SEAL WITH EMBOSSED SEALER TO PRODUCE ORDNANCE INSGNIA.



SEAL, CAR
5 DIA X .15 THICK WITH NON-SLIP
WIRE .056 X 6 LONG

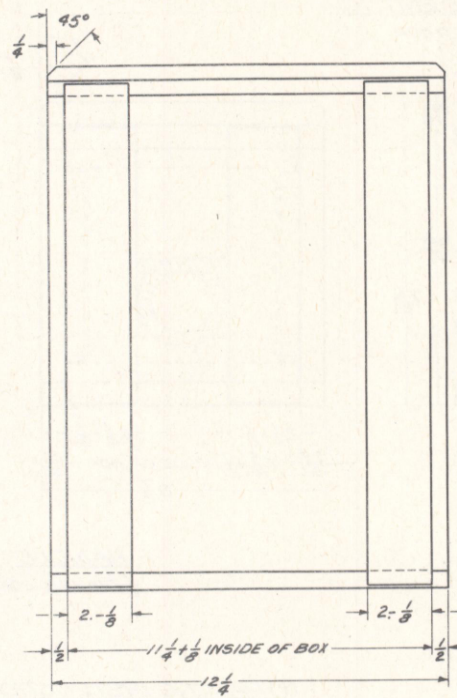
STRAPPING
5/16" X .02 X 44. LONG

NOTICE - THIS DRAWING SHALL NOT BE USED OR REPRODUCED EITHER WHOLLY OR IN PART EXCEPT AS AUTHORIZED IN CONNECTION WITH THE PROJECT.



BOX, PACKING, AMMUNITION FOR 90 MM GUN AMMUNITION IN FIBER CONTAINER M53A2 ASSEMBLY, DETAILS AND PACKING		REVISIONS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514
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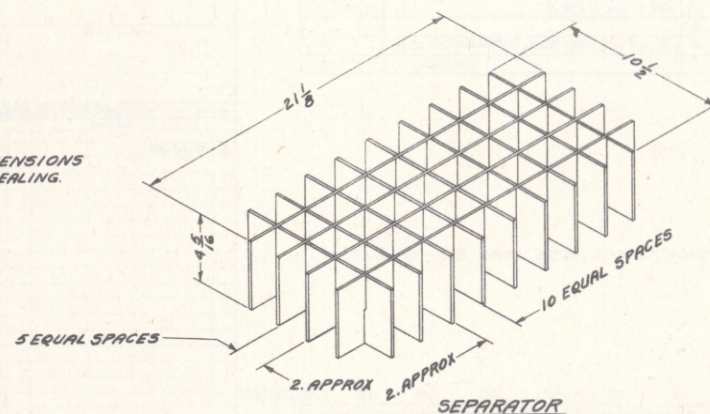
SUPERSEDES 20-4-218 AND 76-1-304 IN PART
WITH CHANGE MARCH 28, 1950.



ASSEMBLY

NOTES:-
PRINT LABEL WITH BLACK PRINTER'S INK.
SIZE OF TYPE TO BE APPROXIMATELY AS SHOWN.
A-INSERT LOT NUMBER.
B-INSERT MONTH AND YEAR LOADED.

MINIMUM OUTSIDE DIMENSIONS
OF CASE LINER AFTER SEALING.



MARKING INSTRUCTIONS
THIS BOX SHALL BE MARKED IN ACCORDANCE WITH DWS 20-4-613.
THE ICC NOMENCLATURE TO BE APPLIED SHALL BE "SPECIAL FIREWORKS
HANDLE CAREFULLY KEEP FIRE AWAY".
THE DESCRIPTIVE NOMENCLATURE OF THE ITEM PACKED SHALL BE
"150 SIMULATORS HAND GRENADE M16".
THE CUBICAL DISPLACEMENT SHALL BE "2.93"

3 PACKING INSTRUCTIONS
ALL MATERIAL SHALL BE THOROUGHLY DRY AT TIME OF PACKING. MAXIMUM MOISTURE CONTENT OF CORRUGATED FIBERBOARD AND CHIPBOARD 3%. SECURE OUTER BOTTOM FLAPS OF CARTON TO INNER FLAPS WITH VEGETABLE GLUE. WITH SEPARATOR IN PLACE PACK 50 SIMULATORS IN CARTON AND ADD ANY FILLER MATERIAL REQUIRED FOR TIGHT PACKING. SECURE TOP INNER FLAPS TO OUTER FLAPS WITH VEGETABLE GLUE. PLACE NOTICE LABEL AND CONTENTS LABEL ON CARTON WITH CASE LINER IN BOX, PACK 3 CARTONS. PLACE ONE OR MORE FILLERS ON TOP AS REQUIRED FOR TIGHT PACKING ALLOWING CLEARANCE FOR CLOSURE OF CASE LINER. ANY ADDITIONAL FILLER MATERIAL NECESSARY TO PRODUCE TIGHT PACKING SHALL BE ADDED ALONG THE SIDES AND ENDS. CASE LINER TO BE THOROUGHLY SEALED WITH WATER-RESISTANT ADHESIVE. SECURE COVER TO BOX WITH WOOD SCREWS IN ACCORDANCE WITH SPEC 50-62-4.

FOR STRAPPING INSTRUCTIONS, SEE DWG 20-4-613.

0 2 4 6 8 10 12 14 16 18 20 22 INCHES

0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 INCHES

LIST OF PARTS						
LINE NO.	NAME OF PART	NO REQD	MATERIAL		DRAWING OR SPEC NUMBER	REMARKS
			KIND	GRADE		
1	ASSEMBLY			C, TYPE X, STYLE 4	50-62-4	
2						
3	CARTON	3	FIBERBOARD, CORRUGATED, 125 LB BO	STYLE ABC, FLUTE B	LLL-B-631	a
4	CONNECTOR	1	STEEL		COMMERCIAL	b
5						
6	FILLER	5	CHIPBOARD, PASTED OR PLAIN		COMMERCIAL	d
7	LABEL, CONTENTS		PAPER, GUMMED, WHITE		COMMERCIAL	d
8	LABEL, NOTICE	3	PAPER, GUMMED, WHITE		COMMERCIAL	d
9	LINER, CASE	1	BARRIER-MATERIAL, WATERPROOF	TYPE L20MM	JAN-P-125	a
10						
11	SEPARATOR	3	FIBERBOARD, CORRUGATED	FLUTE B, 125 LB BO	LLL-B-631	a
12	STRAPPING	1	STEEL	TYPE I, CLB	QQ-S-781, a	c
13						
14			ADHESIVE, WATER-RESISTANT	A, TYPE II	JAN-P-140	a
15						
16			GLUE, VEGETABLE		3-169	a
17			INK, PRINTERS, BLACK		COMMERCIAL	
18						
19						

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER.

a. SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

b. NOT REQUIRED WHEN WIRE IS USED.

c. ALTERNATIVE MATERIAL--c, NO.14.(08) GAGE ROUND ZINC COATED STEEL WIRE, CLASS B, SPEC QQ-5-790.

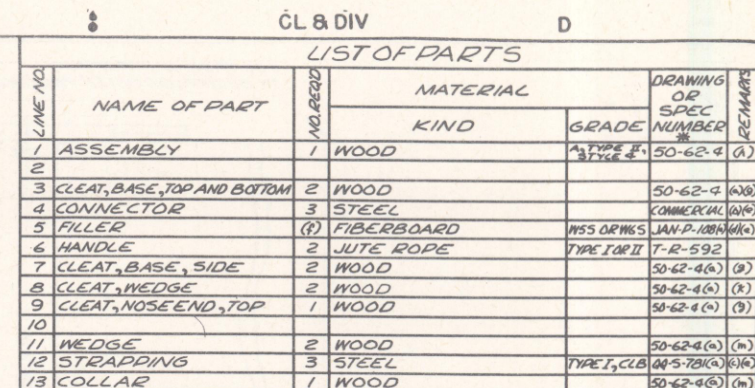
d. UNLESS OTHERWISE SPECIFIED, THESE PARTS SHALL BE FURNISHED BY THE LOADER.

e. ALTERNATIVE MATERIALS ARE INTENDED TO BE USED ONLY WHEN PRESCRIBED MATERIALS ARE NOT AVAILABLE.

f. WEIGHT UNGUMMED 32 LB PER 1000 SHEETS, 17 X 22 INCHES.

LINE NO.	WEIGHTS (ESTIMATED)	
	PART	POUNDS
1	BOX (EMPTY)	19.
2	CARTON WITH SEPARATOR (3)	6.8
3	SIMULATOR (150)	30.
4	FILLER, CONNECTOR, STRAPPING, ETC	1.2
5	TOTAL	57.

[illegible]



* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER.

- (a) SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.
- (b) NOT REQUIRED WHEN WIRE IS USED.
- (c) ALTERNATIVE MATERIAL (1)- ROUND STEEL WIRE NO.14 (0.8) GAGE TENSILE STRENGTH=100,000 POUNDS PER SQUARE INCH, SPEC JAN-P-106. (c)
- (d) ALTERNATIVE MATERIAL (2)- SOLID WATER RESISTANT COMPOSITION BOARD, TYPE 1, $\frac{1}{2}$ THICK, SPEC AXS -1623.
- (e) UNLESS OTHERWISE SPECIFIED THESE PARTS SHALL BE FURNISHED BY THE LOADER.
- (f) SECURE EACH CLEAT WITH 2- 8 d NAILS.
- (g) SECURE CLEATS TO ENDS WITH 8 d NAILS.
- (h) SECURE EACH CLEAT WITH 5- 8 d NAILS.
- (i) ALTERNATIVE MATERIALS ARE INTENDED TO BE USED ONLY WHEN PRESCRIBED MATERIALS ARE NOT AVAILABLE.
- (j) TO BE SUPPLIED LOOSE WITHIN BOX.

(f) PACKING INSTRUCTIONS

PLACE COLLAR OVER NOSE OF PROJECTILE. INSERT PROJECTILE IN BOX WITH BASE OF PROJECTILE BETWEEN CLEATS AT END OF BOX. ADD ONE OR MORE FILLERS BETWEEN PROJECTILE BASE AND END OF BOX AS REQUIRED THEN DRIVE WEDGES BETWEEN COLLAR AND WEDGE CLEATS TO PACK CONTENTS TIGHTLY. SECURE WEDGES WITH 2-4 $\frac{1}{2}$ NAILS. COVER TO BE SECURED BY NAILING IN ACCORDANCE WITH SPEC 50-62-4.

NOTICE:-THIS DRAWING SHALL NOT BE USED NOR REPRODUCED EITHER WHOLLY OR IN PART EXCEPT WHEN AUTHORIZED IN CONNECTION WITH UNITED STATES GOVERNMENT PROCUREMENT.

MARKING INSTRUCTIONS

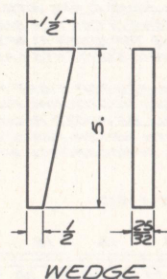
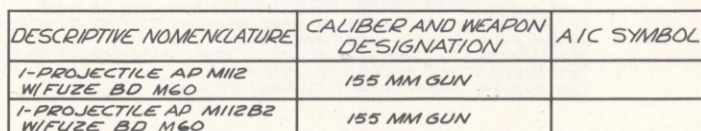
MARKING INSTRUCTIONS
THE BOX SHALL BE MARKED IN ACCORDANCE WITH DRAWING 20 -4-613.
THE ICC NOMENCLATURE TO BE APPLIED SHALL BE "EXPLOSIVE PROJECTILE"
THE DESCRIPTIVE NOMENCLATURE, CALIBER AND WEAPON DESIGNATION OF
THE ITEM PACKED SHALL BE (SEE TABLE)
THE CUBICAL DISPLACEMENT SHALL BE ".43"
THE AIC SYMBOL SHALL BE (SEE TABLE)

2 1/3 MAX FOR 5/8 STRAPPING

$$5\frac{7}{8} \times 5\frac{7}{8}$$

5x.02 x 40. LONG

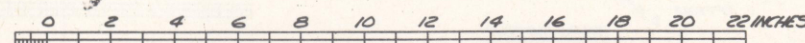
.22 DIAMETRICAL TAPER PER INCH



LINE NO.	WEIGHTS (ESTIMATED)	
	PART	POUNDS
1	BOX (EMPTY)	15.3
2	PROJECTILE	100.7
3		
4	FILLER, CONNECTOR, STRAPPINGS, ETC	1.0
5	TOTAL	117.0

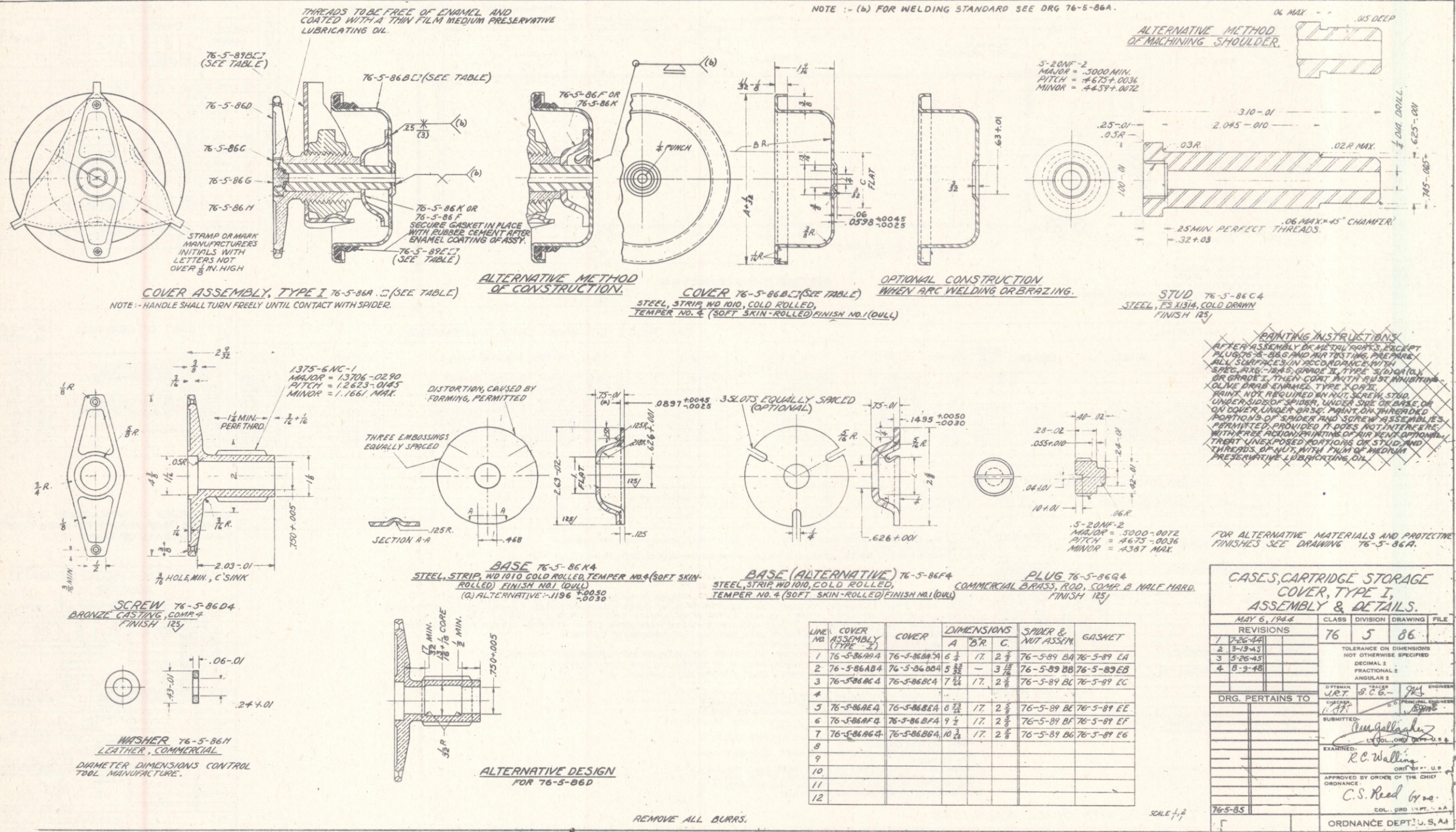
FOR STRAPPING INSTRUCTIONS, SEE DWG 20-4-613.

SUPERSEDES 20-4-317 IN PART AND 76-2-81 WITH CHANGE OCTOBER 14, 1949



BOX, PACKING, AMMUNITION FOR 75MM PROJECTILES, AR,MII2 AND MII2B2.					
ASSEMBLY, DETAILS & PACKING.					
HEAT TREATMENT + PROTECTIVE FINISH			CLASS 7G	DIVISION 2	ORIGIN 81
PHYSICAL PROPERTIES			DRAWING PERTAINES TO		
ORIGINAL DATE OF DRAWING MARCH 26, 1942					
REVISED					
6-10-49					
WEIGHT			DO NOT APPLY PART NO. (for Specification)		
SCALE —			R.T. A.C.J.		
TOLERANCES ON DIMENSIONS (unless otherwise Specified)			H.B.H.		
			not used P.O.L.		
			SUBMITTED		
			DR. Beeman		
			CRO. ENG.		
			EXAMINED		
			CR Data		
			SOA		
			APPROVED		
			J.P. Brown		
			COL.		
D			ORDINANCE DEPT. U.S. ARMY		

9-80970



PAINTING INSTRUCTIONS
AFTER ASSEMBLY OF METAL PARTS, EXCEPT PLUGS & BASE AND BUSHING, PREPARE ALL SURFACES IN ACCORDANCE WITH SPEC. ASS-18A-5, GRADE II, TYPE 3(D) OR GRADE I, THEN COAT WITH RUST INHIBITOR OLIVE DRAB ENAMEL TYPE 1 OR 2. PRIMER NOT REQUIRED ON MET. SCREW STUD. UNDER SIDE OF SPIDER, UNDER SIDE OF BASE OR ON COVER UNDER BASE, PAINT ON THREADED PORTIONS OF SPIDER AND SCREW ASSEMBLIES PERMITTED, PROVIDED IT DOES NOT INTERFERE WITH FREE ACTION/PRINTING OF AIR VENT OPTIONAL. TREAT UNPAIRED PORTIONS OF STUD AND THREADED PORTIONS WITH FINISH OF MEDIUM PRESERVATIVE LUBRICATING OIL.

FOR ALTERNATIVE MATERIALS AND PROTECTIVE FINISHES SEE DRAWING 76-5-86A.

CASES, CARTRIDGE STORAGE COVER, TYPE I, ASSEMBLY & DETAILS.			
MAY 6, 1944			
REVISIONS			
1	7-26-44		
2	3-19-45		
3	5-26-45		
4	8-9-48		
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED			
DECIMAL 2			
FRACTIONAL 2			
ANGULAR 2			
DRG. PERTAINS TO			
SUBMITTED			
EXAMINED			
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE			
C.S. Reed 64			
COL. PRO 14 PT. 2 A			
ORDNANCE DEPT. U.S.A.			

LINE NO.	COVER ASSEMBLY (TYPE 1)	COVER	DIMENSIONS			SPIDER & NUT ASSEM.	GASKET
			A	B	C		
1	76-5-86A4	76-5-86A4	6 1/2	17.	2 1/2	76-5-89 BA	76-5-89 EA
2	76-5-86B4	76-5-86B4	5 1/2	17.	2 1/2	76-5-89 BB	76-5-89 EB
3	76-5-86C4	76-5-86C4	7 1/2	17.	2 1/2	76-5-89 BC	76-5-89 EC
4							
5	76-5-86E4	76-5-86E4	8 1/2	17.	2 1/2	76-5-89 BE	76-5-89 EE
6	76-5-86F4	76-5-86F4	9 1/2	17.	2 1/2	76-5-89 BF	76-5-89 EF
7	76-5-86G4	76-5-86G4	10 1/2	17.	2 1/2	76-5-89 BG	76-5-89 EG
8							
9							
10							
11							
12							

REMOVE ALL BURRS.

LIST OF PARTS														
LINE NO.	NAME OF PART	NUMBER REQD PER ASSEMBLY	MATERIAL				REMARKS	USED ON CARTRIDGE STORAGE CASES						
			SIZE OR FORM	KIND	GRADE	SPEC. NUMBER		M13A1	M14A1	M 7A1 M16A1 M18A1		M19A1	M20A1 M10A2	M9A2
1	COVER ASSEMBLY (TYPE I)					50-60-1	(g) (h)	76-5-86AA	76-5-86AB	76-5-86AC		76-5-86AF	76-5-86AF	76-5-86AG
2														
3	SPIDER AND NUT ASSY.							76-5-89BA	76-5-89BB	76-5-89BC		76-5-89BE	76-5-89BF	76-5-89BG
4	SPIDER	1	STRIP	STEEL, COLD ROLLED	WD1010	57-136	(a) (d)	76-5-89AA	76-5-89AB	76-5-89AC		76-5-89AE	76-5-89AF	76-5-89AG
5	NUT	1	CASTING	GREY CAST IRON	CLASS 20	QQ-I-632		76-5-89C	76-5-89C	76-5-89C		76-5-89C	76-5-89C	76-5-89C
6														
7														
8														
9	BASE	1	STRIP	STEEL, COLD ROLLED	WD1010	57-136	(a) (d)	76-5-86K	76-5-86K	76-5-86K		76-5-86K	76-5-86K	76-5-86K
10	BASE (ALTERNATIVE)		STRIP	STEEL, COLD ROLLED	WD1010	57-136	(a) (d)	76-5-86F	76-5-86F	76-5-86F		76-5-86F	76-5-86F	76-5-86F
11	COVER	1	STRIP	STEEL, COLD ROLLED	WD1010	57-136	(a) (d)	76-5-86BA	76-5-86BB	76-5-86BC		76-5-86BE	76-5-86BF	76-5-86BG
12	GASKET	1	EXTRUDED	RUBBER	RS-518AM	20-116	(h)	76-5-89EA	76-5-89EB	76-5-89EC		76-5-89EE	76-5-89EF	76-5-89EG
13	PLUG	1	ROD	BRASS, COMPOSITION-B	HALF HARD	QQ-B-611		76-5-86G	76-5-86G	76-5-86G		76-5-86G	76-5-86G	76-5-86G
14	STUD	1	BAR	STEEL, COLD DRAWN	FS X1314	QQ-S-671		76-5-86C	76-5-86C	76-5-86C		76-5-86C	76-5-86C	76-5-86C
15	SCREW	1	CASTING	BRONZE	COMP 4	QQ-B-691		76-5-86D	76-5-86D	76-5-86D		76-5-86D	76-5-86D	76-5-86D
16	WASHER	1		LEATHER		COMMERCIAL		76-5-86H	76-5-86H	76-5-86H		76-5-86H	76-5-86H	76-5-86H
17														
18														
19														
20														
21														
22				OIL, LUBRICATING, PRESERVATIVE	MEDIUM	2-122								
23														
24														
25				CEMENT, RUBBER		COMMERCIAL								
26														
27														
28														
29														
30														

LINE NO.	LIST OF SPECIFICATIONS	SPEC. NUMBER	REQUIRED BY
1	AMMUNITION, EXCEPT SMALL ARMS AMM, GENERAL SPEC. FOR	50-0-1	DRG 76-5-86
2	BRASS, COM., BARS, PLATES, RODS, SHAPES, SHEETS AND STRIPS	QQ-B-611	DRG 76-5-86
3	BRONZE, CASTINGS	QQ-B-691	DRG 76-5-86
4	CASES, CARTRIDGE STORAGE	50-60-1	DRG 76-5-86
5	CLEANING AND PREPARATION OF METAL SURFACES	AXS-1245	DRG 76-5-86
6	ENAMEL OLIVE DRAB, RUST INHIBITING	3-181	DRG 76-5-86
7			
8			
9	IRON, GREY, CASTINGS	QQ-I-632	DRG 76-5-89
10	METALS, GENERAL SPECIFICATION FOR INSPECTION OF	QQ-M-151	57-136
11	OIL, LUBRICATING, PRESERVATIVE, MEDIUM	2-122	DRG 76-5-86
12	PAINTS AND RELATED MATERIALS, GENERAL SPECIFICATION FOR	3-1	3-181
13	RUBBER AND SYNTHETIC RUBBER FOR GENERAL MECH, ETC.	20-116	DRG 76-5-89
14	STEEL, CARBON AND ALLOY, BARS	QQ-S-671	DRG 76-5-86
15	STEEL, CARBON AND ALLOY, SHEETS AND STRIPS	57-136	DRG 76-5-86
16	FINISHES, PROTECTIVE, FOR IRON, ETC	57-0-2	DRG 76-5-86
17			
18			

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER. SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

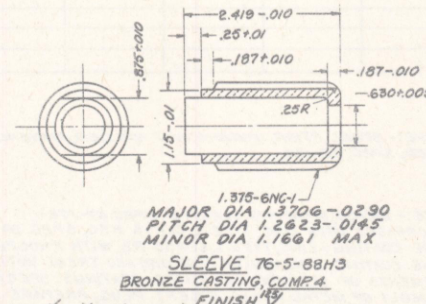
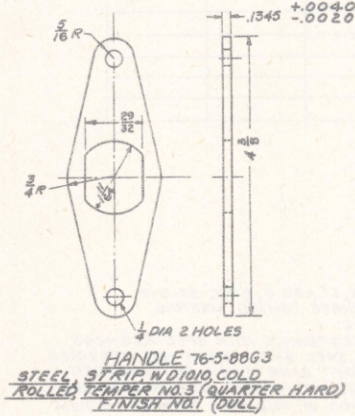
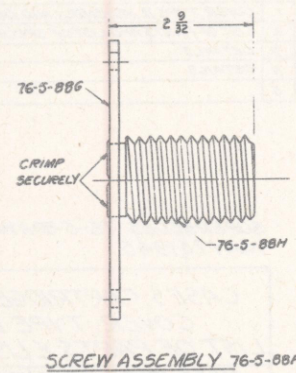
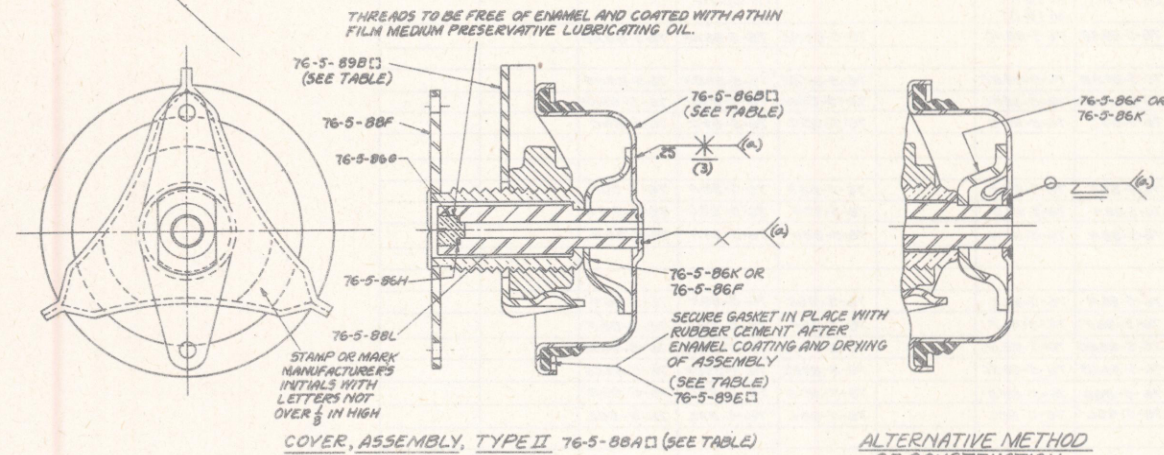
NOTES:-
 (a)- ALTERNATIVE:- STEEL, STRIP, WD1010, HOT ROLLED, ANNEALED AND PICKLED, SPEC. 57-136
 (d)- COAT ALL SURFACES WITH ZINC, TYPE I, CLASS R3C, SPEC 57-0-2 (c)(f).
 (e)- ALTERNATIVE COATING:- ZINC, TYPE I, CLASS R3 WITH PHOSPHATE COATING TYPE I, CLASS C, SPEC 57-0-2.
 (f)- ALTERNATIVE COATING:- GALVANIZE (HOT DIP) AND TREAT WITH CHROMATE OR PHOSPHATE COATING, MEETING THE REQUIREMENTS OF ELECTRO-DEPOSITED COATINGS SPECIFIED IN SPEC 57-0-2.
 (g)- AFTER ASSEMBLY OF METAL PARTS, EXCEPT PLUG, PREPARE ALL SURFACES IN ACCORDANCE WITH SPEC AXS-1245, GRADE I TYPE 5. THEN COAT WITH RUST INHIBITING OLIVE DRAB ENAMEL, TYPE I, SPEC 3-181. PAINT NOT REQUIRED ON NUT, SCREW, STUD, UNDER SIDE OF SPIDER, UNDER SIDE OF BASE OR ON COVER UNDER BASE. PAINT ON THREADED PORTIONS OF SPIDER AND SCREW ASSEMBLIES PERMITTED, PROVIDED IT DOES NOT INTERFERE WITH FREE ACTION. PAINTING OF AIR VENT OPTIONAL. TREAT UNEXPOSED PORTIONS OF STUD AND THREADS OF NUT WITH FILM OF MEDIUM PRESERVATIVE LUBRICATION OIL, SPEC 2-122.
 (h)- SPECIFICATION APPLIES EXCEPT FOR THE FOLLOWING PHYSICAL REQUIREMENTS:-
 DUROMETER HARDNESS ----- 50 ± 5
 TENSILE STRENGTH, MIN, PSI ----- 1200
 ELONGATION, MIN ----- 350%
 SUFFIX A----- CHANGE IN TENSILE STRENGTH MAX ----- 25%
 SUFFIX B----- CHANGE IN ULTIMATE ELONGATION, MAX ----- 25%
 SUFFIX C----- COMPRESSION SET, MAX ----- 25%
 (K)- FOR WELDING SYMBOLS, SEE JAN-STD-19.

LINE NO.	LIST OF DRAWINGS	DRAWING NUMBER
1	COVER, TYPE I, ASSEMBLY AND DETAILS	76-5-86
2	LIST OF PARTS AND LIST OF SPECIFICATIONS	76-5-86A
3	DETAILS	76-5-89
4		
5		

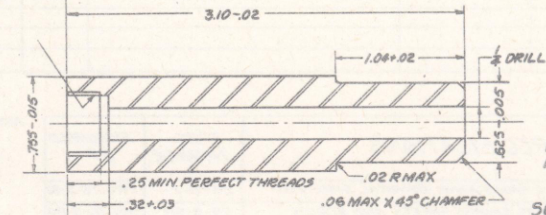
SUPERSEDES 76-5-86A WITH CHANGE MAY 26, 1945

CASES, CARTRIDGE STORAGE COVER TYPE I			
LIST OF PARTS AND LIST OF SPECS.			
MAY 6, 1944			
CLASS	DIVISION	DRAWING	FILE
76	5	86A	
REVISIONS			
#	DATE	BY	REVISION
4	5-24-45		
5	5-9-48		
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED			
DECIMAL ±			
FRACTIONAL ±			
ANGULAR ±			
DRG. PERTAINS TO			
CHECKER			
SUBMITTED			
EXAMINED			
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE			
C. S. Reed			
COL ORD. DEPT. U. S. A.			
D			
ORDNANCE DEPT. U. S. A.			

NOTE: - (a) FOR WELDING STANDARD SEE DRG 76-5-88A.



5-20 NF-2
MAJOR DIA .5000 MIN
PITCH DIA .4675 +.0036
MINOR DIA .4459 +.0072



FOR ALTERNATIVE MATERIALS AND PROTECTIVE FINISHES, SEE DRG 76-5-88A.

SUPERSEDES 76-5-88 WITH CHANGE MAY 26, 1945

CASES, CARTRIDGE STORAGE COVER, TYPE II ASSEMBLY AND DETAILS

MAY 6, 1944		CLASS	DIVISION	DRAWING	FILE
REVISIONS		76	5	88	
1	3-25-45				
2	8-9-48				
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED					
DECIMAL ±					
FRACTIONAL ±					
ANGULAR ±					
DRG. PERTAINS TO					
SUBMITTED:					
EXAMINED:					
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:					
C. S. Reed by an					
COL. ORD. DEPT. U.S.A.					
ORDNANCE DEPT. U.S.A.					

PAINTING INSTRUCTIONS
AFTER ASSEMBLY OF METAL PARTS, EXCEPT 76-5-86G AND 76-5-89E, PREPARE ALL SURFACES IN ACCORDANCE WITH SPEC. PRS-145, GRADE II, TYPE 2 (D), OR (A), OF GRADE I, THEN CONTINUE WITH PAINTING. PAINT NOT REQUIRED ON NUT, SCREW, STUD, UNDER SIDE OF BRIDGE, UNDER SIDE OF BASE, OR ON COVER UNDER BASE. PAINT ON THREADED PORTIONS OF SPIDER AND SCREW ASSEMBLY PERMITTED PROVIDED IT DOES NOT INTERFERE WITH FREE ACTION. PAINTING OF AIR VENT OPTIONAL. TREAT UNEXPOSED PORTIONS OF STUD AND THREADS OF NUT WITH FILM OF MEDIUM PRESERVATIVE LUBRICATING OIL.

LINE	COVER ASSEMBLY (TYPE II)	COVER	SPIDER AND NUT ASSEM.	GASKET
1	76-5-88AA3	76-5-88BA	76-5-89BA	76-5-89EA
2	76-5-88AB3	76-5-88BB	76-5-89BB	76-5-89EB
3	76-5-88AC3	76-5-88BC	76-5-89BC	76-5-89EC
4				
5	76-5-88AE3	76-5-88BE	76-5-89BE	76-5-89EE
6	76-5-88AF3	76-5-88BF	76-5-89BF	76-5-89EF
7	76-5-88AG3	76-5-88BG	76-5-89BG	76-5-89EG
8				
9				
10				
11				
12				

REMOVE ALL BURRS.
SCALE, INCHES, 1/2 = 1

LIST OF PARTS																
LINE NO.	NAME OF PART	NUMBER REQD PER ASSEMBLY	MATERIAL				REMARKS	USED ON CARTRIDGE STORAGE CASES								
			SIZE OR FORM	KIND	GRADE	SPEC. NUMBER		M13A1	M14A1	M 7A1 M16A1 M18A1		M19A1	M10A2 M20A1	M9A2		
1	COVER ASSEMBLY, (TYPE II)					50-60-1	(k)(m)	76-5-88AA	76-5-88AB	76-5-88AC		76-5-88AE	76-5-88AF	76-5-88AG		
2																
3	SPIDER AND NUT ASSY.							76-5-89BA	76-5-89BB	76-5-89BC		76-5-89BE	76-5-89BF	76-5-89BG		
4	SPIDER	1	STRIP	STEEL, COLD ROLLED	WD1010	57-136	(a)(f)	76-5-89AA	76-5-89AB	76-5-89AC		76-5-89AE	76-5-89AF	76-5-89AG		
5	NUT	1	CASTING	GREY CAST IRON	CLASS B	QQ-I-652		76-5-89C	76-5-89C	76-5-89C		76-5-89C	76-5-89C	76-5-89C		
6																
7																
8	SCREW ASSEMBLY							76-5-88F	76-5-88F	76-5-88F		76-5-88F	76-5-88F	76-5-88F		
9	HANDLE	1	STRIP	STEEL, COLD ROLLED	WD1010	57-136	(a)(f)	76-5-88G	76-5-88G	76-5-88G		76-5-88G	76-5-88G	76-5-88G		
10	SLEEVE	1	CASTING	BRONZE	COMP. 4	QQ-B-691	(e)	76-5-88H	76-5-88H	76-5-88H		76-5-88H	76-5-88H	76-5-88H		
11																
12																
13	BASE	1	STRIP	STEEL, COLD ROLLED	WD1010	57-136	(a)(f)	76-5-86K	76-5-86K	76-5-86K		76-5-86K	76-5-86K	76-5-86K		
14	BASE (ALTERNATIVE)	1	STRIP	STEEL, COLD ROLLED	WD1010	57-136	(a)(f)	76-5-86F	76-5-86F	76-5-86F		76-5-86F	76-5-86F	76-5-86F		
15	COVER	1	STRIP	STEEL, COLD ROLLED	WD1010	57-136	(a)(f)	76-5-86BA	76-5-86BB	76-5-86BC		76-5-86BE	76-5-86BF	76-5-86BG		
16	GASKET	1	EXTRUDED	RUBBER	RS-512-AM	20-116	(L)	76-5-89EA	76-5-89EB	76-5-89EC		76-5-89EE	76-5-89EF	76-5-89EG		
17	PLUG	1	ROD	BRASS, COMP B	NALF HARD	QQ-B-611		76-5-86G	76-5-86G	76-5-86G		76-5-86G	76-5-86G	76-5-86G		
18	STUD	1	BAR	STEEL, COLD DRAWN	FS X1314	QQ-S-671		76-5-88L	76-5-88L	76-5-88L		76-5-88L	76-5-88L	76-5-88L		
19																
20																
21																
22																
23																
24																
25																
26				CEMENT, RUBBER		COMMERCIAL										
27				OIL, LUBRICATING, PRESERVATIVE	MEDIUM	2-122										
28																
29																
30																

LINE NO.	LIST OF SPECIFICATIONS	SPEC. NUMBER	REQUIRED BY
1	AMMUNITION, EXCEPT SMALL ARMS AMM., GENERAL SPEC. FOR	50-0-1	DRG. 76-5-88
2	BRASS, COM. BARS, PLATES, RODS, SHAPES, SHEETS AND STRIPS	QQ-B-611	DRG. 76-5-88
3	BRONZE, CASTINGS	QQ-B-691	DRG. 76-5-88
4	BRASS, CARTRIDGE, SHEET, STRIP AND COIL	57-172-1	DRG. 76-5-88
5	CLEANING AND PREPARATION OF METAL SURFACES	AXS-1245	DRG. 76-5-88
6			
7	ENAMEL, OLIVE DRAB, RUST INHIBITING	3-181	DRG. 76-5-88
8			
9	IRON, GREY, CASTINGS	QQ-I-652	DRG. 76-5-89
10	METALS, GENERAL SPECIFICATION FOR INSPECTION OF	QQ-M-151	57-136
11	OIL, LUBRICATING, PRESERVATIVE, MEDIUM	2-122	DRG. 76-5-88
12	PAINTS AND RELATED MATERIALS, GENERAL SPECIFICATION FOR	3-1	3-181
13	RUBBER AND SYNTHETIC RUBBER FOR GENERAL MECH., ETC.	20-116	DRG. 76-5-89
14	STEEL, CARBON AND ALLOY, BARS	QQ-S-671	DRG. 76-5-88
15	STEEL, CARBON AND ALLOY, SHEETS AND STRIPS	57-136	DRG. 76-5-88
16	CASES, CARTRIDGE, STORAGE	50-60-1	DRG. 76-5-88
17	FINISHES, PROTECTIVE, FOR IRON, ETC	57-0-2	DRG. 76-5-88
18			

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NOTES:-
(a)- ALTERNATIVE:- STEEL, STRIP, WD1010, HOT ROLLED, ANNEALED AND PICKLED, SPEC. 57-136

(e)- ALTERNATIVE:- BRASS, STAMPING, CLASS-B, SPEC. 57-172-1
(f)- COAT ALL SURFACES WITH ZINC, TYPE I, CLASS R5, SPEC 57-0-2 (g) (h)
(g)- ALTERNATIVE COATING:- ZINC, TYPE I, CLASS R5, WITH PHOSPHATE COATING, TYPE II, CLASS C, SPEC 57-0-2
(h)- ALTERNATIVE COATING:- GALVANIZE (HOT DIP) AND TREAT WITH CHROMATE OR PHOSPHATE COATING MEETING THE REQUIREMENTS OF ELECTRO-DEPOSITED COATINGS SPECIFIED IN SPEC 57-0-2.
(k)- AFTER ASSEMBLY OF METAL PARTS, EXCEPT PLUG, PREPARE ALL SURFACES IN ACCORDANCE WITH SPEC AXS-1245, GRADE II, TYPE 5. THEN COAT WITH RUST INHIBITING OLIVE DRAB ENAMEL, TYPE II, SPEC 3-181. PAINT NOT REQUIRED ON NUT, SLEEVE, STUD, UNDER SIDE OF SPIDER, UNDER SIDE OF BASE, OR ON COVER UNDER BASE. PAINT ON THREADED PORTIONS OF SPIDER AND SCREW ASSEMBLIES PERMITTED, PROVIDED IT DOES NOT INTERFERE WITH FREE ACTION. PAINTING OF AIR VENT, OPTIONAL. TREAT UNEXPOSED PORTIONS OF STUD AND THREADS OF NUT WITH FILM OF MEDIUM PRESERVATIVE LUBRICATING OIL, SPEC 2-122.
(l)- SPECIFICATION APPLIES EXCEPT FOR THE FOLLOWING PHYSICAL REQUIREMENTS:-
DUROMETER HARDNESS ----- 50 ± 5
TENSILE STRENGTH, MIN, PSI ----- 1200
ELONGATION MIN. ----- 350 %
SUFFIX A CHANGE IN TENSILE STRENGTH, MAX. ----- 25 %
CHANGE IN ULTIMATE ELONGATION, MAX. ----- 25 %
SUFFIX B ----- COMPRESSION SET, MAX. ----- 25 %
(m)- FOR WELDING SYMBOLS, SEE JAN-STD-19.

LINE NO.	LIST OF DRAWINGS	DRAWING NUMBER
1	COVER, TYPE II, ASSEMBLY AND DETAILS	76-5-88
2	LIST OF PARTS AND LIST OF SPECIFICATIONS	76-5-88A
3	DETAILS	76-5-89
4	DETAILS	76-5-86
5		

SUPERSEDES 76-5-88A WITH CHANGE
MAY 26, 1945

CASES, CARTRIDGE STORAGE COVER, TYPE II LIST OF PARTS & LIST OF SPECS.			
MAY 6, 1944	CLASS	DIVISION	DRAWING FILE
REVISIONS	76	5	88A
3 5-26-45			
4 8-9-48			
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED DECIMAL ± FRACTIONAL ± ANGULAR ±			
DRG. PERTAINS TO			
76-5-85	CHECKER	K.L.M.	HEAD ENGINEER
SUBMITTED:			
EXAMINED:			
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:			
C.S. R. C. 1042.			
COL. ORN. DEPT. U.S.A.			
ORDNANCE DEPT. U.S.A.			

HEAT TREATMENT AND FINAL FINISH

DETAIL OF CRIMP

76-7-721 D

76-7-721 E

2.19 MAX

28 IN. CONT. MIN.

SECURE KEY BY SPOT WELDING OR WITH TIN-LEAD SOLDER, CLASS "A", SO THAT IT MAY BE READILY REMOVED BY HAND.

76-7-721 B

$\frac{1}{4}$ APPROX.

ASSEMBLY 76-7-721 A

(a) THESE DIMENSIONS MAY VARY TO SUIT MANUFACTURER'S METHOD OF OBTAINING CRIMP SHOWN AND TO COMPLY WITH THE FOLLOWING DIMENSIONS ON THE SEALED CONTAINER: INSIDE DIMENSIONS: 2.062 $\pm$.010 DIA. X 2.370 $\pm$.020 LENGTH; OUTSIDE DIMENSIONS: 2.19 MAX. DIA. X 2.72 MAX. LENGTH.

CONTAINER TO BE FURNISHED BY MANUFACTURER WITH BOTTOM CRIMPED IN PLACE. TOP TO BE SEALED AT LOADING PLANT. ASSEMBLY LESS TOP, MUST WITHSTAND AN AIR PRESSURE TEST OF 2 POUNDS PER SQUARE INCH FOR 15 SECONDS WITHOUT LEAKAGE.

PRECISION SCORED TEAR STRIP WITH TONGUE

LOCK SEAM LAP SEAM

RE-CLOSING COLLAR TO BE A SNUG FIT.

2.062 $\pm$.010

2.72

DETAIL OF TEAR STRIP

DETAIL OF LOCK SEAM

BODY 76-7-721 B

TERNE-PLATE (LONG TERNE) TYPE I, CLASS "A", GRADE 2, .0097 THICK, (NO. 32 U.S. GAGE)

APPLY WATERPROOF SEALING COMPOUND

2.072

1.15

28 IN. CONT. MIN.

TOP 76-7-721 C

TERNE-PLATE (LONG TERNE) TYPE I, CLASS "A", GRADE 2, .0097 THICK, (NO. 32 U.S. GAGE)

APPLY WATERPROOF SEALING COMPOUND

2.034 $\pm$.010 APPROX.

1.15

28 IN. CONT. MIN.

EMBOSSED LUGS FOR LOCATING KEY.

BOTTOM 76-7-721 D

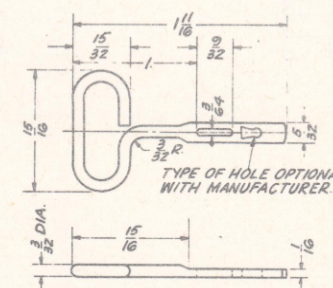
TERNE-PLATE (LONG TERNE) TYPE I, CLASS "A", GRADE 2, .0097 THICK, (NO. 32 U.S. GAGE)

[illegible]

(b) - ALTERNATIVE - ENAMEL, SPEC. 3-67 OR LACQUER ENAMEL, SPEC. 3-162 (g)
(c) - COMMERCIAL SUBSTITUTE OF APPROXIMATELY SAME DIMENSIONS AND FINISH PERMISSIBLE.
(d) - FINISH- SPEC. 57-0-2, TYPE I, CLASS RSC OR TS.
(e) - COAT EXTERIOR SURFACES WITH PAINT SPEC. AKS-829, ENAMEL, SPEC. 3-67 OR LACQUER ENAMEL, SPEC. 3-162 (g)
(f) - ALTERNATIVE - LIQUID FLUX COMPOSED OF 50% ROSIN AND 50% ALCOHOL
(g) - BLACK FOR HE FUZZES OR ACTIVATORS AND LIGHT BLUE FOR PRACTICE FUZZES OR ACTIVATORS.

LINE NO.	LIST OF SPECIFICATIONS	SPEC. NUMBER *	REQUIRED BY
1	AMMUNITION, EXCEPT SMALL ARMS AMM., GENERAL SPEC. FOR	50-O-1	DRG 76-7-72
2	ENAMEL, LUSTRELESS, QUICK DRYING	3-G7	DRG 76-7-72
3	FLUX, NON-ACID	53-12	DRG 76-7-72
4	LACQUER ENAMEL, LUSTRELESS	3-162	DRG 76-7-72
5	METALS, GENERAL SPECIFICATION FOR INSPECTION OF	QQ-M-151	Q-Q-T-191
6	PAINTS AND RELATED MATERIALS, GENERAL SPEC FOR	3-1	3-162
7	SOLDER, TIN-LEAD	QQ-S-571	DRG 76-7-72
8	PAINT FOR METAL PARTS OF AMMUNITION CONTAINERS	AXS-829	DRG 76-7-72
9	TERNE-PLATE (LONG TERNES)	QQ-T-191	DRG 76-7-72
10			
11	FINISHES, PROTECTIVE, FOR IRON AND STEEL PARTS	5T-O-2	DRG 76-7-72
12			
13			
14			

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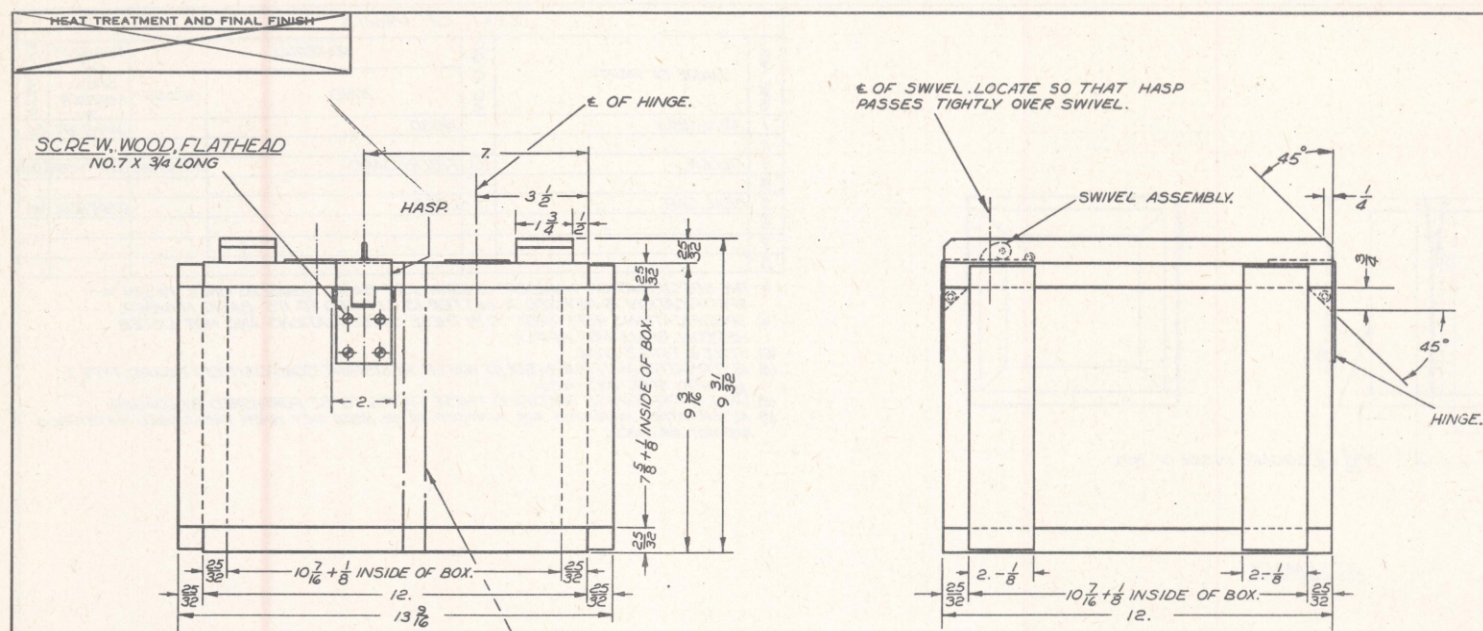


KEY 76-7-721E
STEEL WIRE

REMOVE ALL BURRS

CONTAINER, METAL, AMMUNITION, M182
FOR CHEM. MINE FUZES & ACTIVATORS
ASSEMBLY AND DETAILS

APRIL 1, 1944		CLASS		DIVISION		DRAWING		FILE	
REVISONS		76		7		721			
1 8-15-45									
		TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED							
		DECIMAL 1							
		FRACTIONAL 1							
		ANGULAR 1							
		DFTSMAN		TRACER				ENGINEER	
		D.C.S.		John Threlk					
		CHECKER		a-4		15-4976		FURNISHED ENGINEER	
DRG. PERTAINS TO		SUBMITTED:							
		G. M. Gallagher							
		R. W. C.		LT. COL. ORD. DEPT. U. S. A.					
		EXAMINED:							
		R. C. Walling							
						ONE		DEPT. U. S. A.	
		APPROVED BY ORDER OF THE CHIEF OF							
		ORDINANCE.							
		C. S. Reed by U. S. A.							
76-1-939		PACKING & MARKING							
76-1-1087		PACKING & MARKING							
SCALE: 8 @									
		ORDNANCE DEPT. U. S. A.							



CONNECTOR
2 1/2 MAX FOR 3/8 STRAPPING

FILLER
10 1/4 X 10 1/4

SEAL, CAR
.5 DIA X .15 THICK
WITH NON-SLIP WIRE
.056 DIA X 6. LONG

STRAPPING
5/8 X .02 X 46. LONG

DESCRIPTIVE NOMENCLATURE	AIC SYMBOL
9 FUZES BOMB NOSE AN-M103A1	
9 FUZES BOMB NOSE AN-M139A1	
9 FUZES BOMB NOSE AN-M140A1	
9 FUZES BOMB NOSE M163	
9 FUZES BOMB NOSE M164	
9 FUZES BOMB NOSE M165	

LINE NO.	PART	WEIGHTS (ESTIMATED)
1	BOX (EMPTY)	10.0
2	CONTAINERS, METAL, COMPLETE (9)	7.2
3	FILLER, CONNECTOR, STRAPPING ETC	1.5
4	FUZZES, COMPLETE (9)	33.3
5		
6	TOTAL	52.0

LINE NO.	LIST OF DRAWINGS	DRAWING NUMBER
1	ASSEMBLY	76-16-211
2	DETAILS	76-0-46
3		
4		
5		
6		

SUPERSEDES 20-4-186 AND 76-16-211 WITH CHANGE DEC 28, 1948

FOR CLOSING, SEALING AND STRAPPING INSTRUCTIONS, SEE DWG 20-4-613.
FOR METAL CONTAINER, SEE DWG 76-1-262.

LIST OF PARTS					
LINE NO.	NAME OF PART	NO. REQ'D	MATERIAL	DRAWING OR SPEC NUMBER	REMARKS
1	ASSEMBLY	1	WOOD	50-62-4	
2	SWIVEL ASSEMBLY	1		76-0-46	
3					
4	CONNECTOR	1	STEEL	COMMERCIAL (6)	
5	FILLER	(6)	FIBERBOARD	WSS OR WGS JAN-P-108 (6) (7)	
6					
7	HASP	1		76-0-46	
8	HINGE	2		76-0-46	
9					
10	SCREW, WOOD, FLATHEAD	24	STEEL	FF-5-111	
11	SEAL, CAR	1	LEAD	COMMERCIAL (6)	
12	STRAPPING	1	STEEL	TYPE I, CL. B QQ-5-781 (6) (7) (d)	
13					
14					
15					
16					

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(a) SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

(b) NOT REQUIRED WHEN WIRE IS USED.

(c) ALTERNATIVE MATERIAL: ROUND STEEL WIRE NO. 14 GAGE (08), TENSILE STRENGTH = 100,000 POUNDS PER SQUARE INCH, SPEC JAN-P-106 (a).

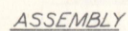
(d) UNLESS OTHERWISE SPECIFIED THESE PARTS SHALL BE FURNISHED BY THE LOADER.

(f) ALTERNATIVE MATERIAL: SOLID WATER RESISTANT COMPOSITION BOARD, TYPE I, 1/16 THICK, SPEC AXS-1623.

(g) ALTERNATIVE MATERIALS ARE INTENDED TO BE USED ONLY WHEN PRESCRIBED MATERIALS ARE NOT AVAILABLE.

NOTICE: THIS DRAWING SHALL NOT BE USED NOR REPRODUCED EITHER WHOLLY OR IN PART EXCEPT WHEN AUTHORIZED IN CONNECTION WITH UNITED STATES GOVERNMENT PROCUREMENT.

BOX, PACKING, AMMUNITION FOR FUZES, BOMB NOSE, AN-M103A1, AN-M139A1, AN-M140A1, M163, M164 AND M165. ASSEMBLY, DETAILS & PACKING.			
JANUARY 17, 1938	CLASS	DIVISION	DRAWING FILE
REVISIONS	76	16	211
5 8-15-45			
6 12-28-48			
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED			
DECIMAL 1			
FRACTIONAL 1			
ANGULAR 1			
DRG. PERTAINS TO			
CHECKER	FCB	FCB	ENGINEER
ACJ			APW
SUBMITTED:			
DRG. ENG. ORD. DEPT. U.S.A.			
EXAMINED:			
CROD			
COL. ORD. DEPT. U.S.A.			
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:			
J. H. HARRIS			
COL. ORD. DEPT. U.S.A.			
ORDNANCE DEPT., U.S.A.			



* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED, LETTER IS AFFIXED TO ITS BASIC NUMBER.

(b) SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

(c) STYLE 2, TYPE 2 LOAD.

(d) ALTERNATIVE MATERIAL(1)-SOLID WATER RESISTANT COMPOSITION BOARD, TYPE I, 1/2" THICK, SPEC AXS-1623.

(e) UNLESS OTHERWISE SPECIFIED THESE PARTS TO BE FURNISHED BY LOADER.

(f) ALTERNATIVE MATERIALS ARE INTENDED TO BE USED ONLY WHEN PRESCRIBED MATERIALS ARE NOT AVAILABLE.

SEAL, CAR
.5 DIA X .15 THICK
WITH NON-SLIP WIRE
.056 DIA X 6. LONG.

MARKING INSTRUCTIONS

THE BOX SHALL BE MARKED IN ACCORDANCE WITH DRAWING 20-4-63 EXCEPT FOR SIZE OF LETTERS AND FIGURES ON ENDS, WHICH SHALL BE 5/8" HIGH.
THE ICC NOMENCLATURE TO BE APPLIED SHALL BE "FIREWORKS HANDLE CAREFULLY KEEP FIRE AWAY."
THE DESCRIPTIVE NOMENCLATURE OF THE ITEM PACKED SHALL BE "1-FLARE AIRCRAFT PARACHUTE MBAL WO/SUSPENSION BANDS EXPEND BEFORE []" (INSERT DATE SHOWN ON FIBER CONTAINER)
THE CUBICAL DISPLACEMENT SHALL BE ".73"
THE AIC SYMBOL SHALL BE

(a) PACKING INSTRUCTIONS

INSERT FLARE (IN FIBER CONTAINER) IN BOX. PLACE ONE OR MORE FILLERS AT ENDS AS REQUIRED TO PACK CONTENTS TIGHTLY. ANY ADDITIONAL W55 OR W65 FIBERBOARD MATERIAL NECESSARY TO PRODUCE TIGHT PACKING WILL BE ADDED ALONG THE SIDES AND TOP. INSERT WIRE OF CAR SEAL UNDER UPRIGHT PORTION OF WIRE AND THROUGH COVER LOOP IN POSITION SHOWN. PULL TIGHT AND SEAL WITH EMBOSSEING SEALER TO PRODUCE ORDINANCE INSIGNIA.

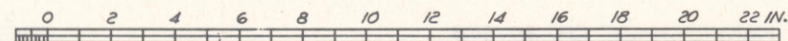
NOTICE:- THIS DRAWING SHALL NOT BE USED NOR REPRODUCED EITHER WHOLLY OR IN PART EXCEPT WHEN AUTHORIZED IN CONNECTION WITH UNITED STATES GOVERNMENT PROCUREMENT.

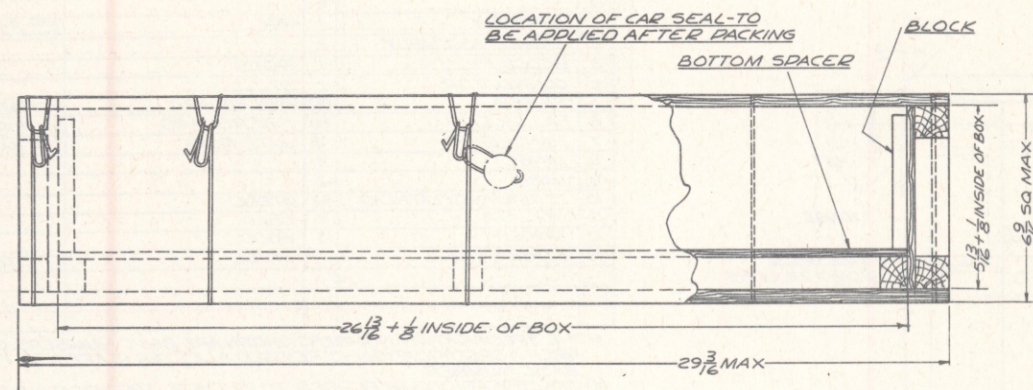
LINE NO.	WEIGHTS (ESTIMATED)	
	PART	POUNDS
1	BOX (EMPTY)	5.45
2	FLARE	19.80
3	FIBER CONTAINER (EMPTY)	4.50
4	TOTAL	29.75

FOR FIBER CONTAINER M40A2, SEE DWG 76-1-1142.
FOR CLOSING, SEE SPEC JAN-B-107, APPENDIX I.

BOX, PACKING, UNPACKING, FOR AIRCRAFT PARACHUTE FLARE M8A1. ASSEMBLY, DETAILS AND PACKING.									
OCTOBER 14, 1937				CLASS	DIVISION	DRAWING		FILE	
REVISIONS				76	16	212			
4	10-21-44			TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED					
5	10-17-49								
DRG. PERTAINS TO				DEPTMAN FCB TRACER FCB CHECKER ACJ		ENGINEER a ENGINEER P. H. W.			
				SUBMITTED:					
				<i>Richard</i> ORD ENG. ORD DEPT. U. S. A.					
				EXAMINED: <i>C. R. Dutton</i> COL., ORD DEPT. U. S. A.					
				APPROVED BY ORDER OF THE CHIEF OF ORDNANCE: <i>P. J. Williams</i> COL., ORD DEPT. U. S. A.					
				ORDNANCE DEPT. U. S. A.					

SUPERSEDES 20-4-187, 76-16-212 AND 76-16-213 IN PART WITH CHANGE OCTOBER 17, 1949.





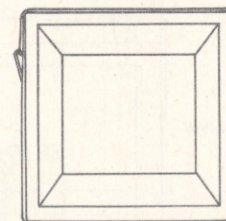
ASSEMBLY

BLOCK
4 5/8 x 5 5/8 x 1 3/16 THICK

FILLER
5 1/2 x 26 1/2

SEAL, CAR
.5 DIA X .15 THICK
WITH NON-SLID WIRE
.056 DIA X 6. LONG

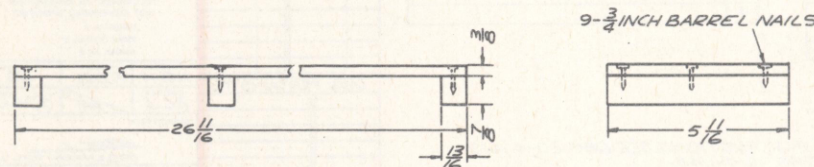
MARKING INSTRUCTIONS
THE BOX SHALL BE MARKED IN ACCORDANCE WITH DWG 20-4-613 EXCEPT FOR SIZE OF LETTERS AND FIGURES ON ENDS, WHICH SHALL BE 3/8 HIGH.
THE ICC NOMENCLATURE TO BE APPLIED SHALL BE "SUSPENSION BANDS (INERT)".
THE DESCRIPTIVE NOMENCLATURE OF THE ITEM PACKED SHALL BE "20 SUSPENSION BANDS FOR M8A1 AIRCRAFT PARACHUTE FLARE."
THE CUBICAL DISPLACEMENT SHALL BE ".73".
THE AIC SYMBOL SHALL BE



(G) PACKING INSTRUCTIONS

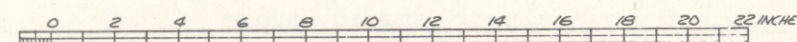
WITH BOTTOM SPACER IN BOX, AND BLOCKS IN BOX AS SHOWN, PACK 20 SUSPENSION BANDS CROSSWISE IN BOX. PLACE ONE OR MORE FILLERS ON TOP AS REQUIRED TO PACK CONTENTS TIGHTLY. ANY ADDITIONAL W55 OR W63 FIBERBOARD MATERIAL NECESSARY TO PRODUCE TIGHT PACKING WILL BE ADDED ALONG THE SIDES AND ENDS. INSERT WIRE OF CAR SEAL UNDER UPRIGHT PORTION OF WIRE AND THROUGH COVER LOOP, IN POSITION SHOWN, PULL TIGHT AND SEAL WITH EMBOSSING SEALER TO PRODUCE ORDNANCE INSIGNIA.

LINE NO.	PART	POUNDS
1	BOX (EMPTY)	6.0
2	SUSPENSION RINGS (20)	6.3
3	FILLERS	.2
4	TOTAL	12.5



SPACER, BOTTOM

FOR CLOSING, SEE SPEC JAN-B-107 APPENDIX I.



LIST OF PARTS

LINE NO.	NAME OF PART	NO. REQD	MATERIAL		DRAWING OR SDEC NUMBER	REMARKS
			KIND	GRADE		
1	ASSEMBLY	1	WOOD		JAN-B-107 (G)	
2	BLOCK	2	WOOD		50-62-4 (W)	
3	FILLER	(2)	FIBERBOARD	W55 OR W63	JAN-B-107 (G)	
4						
5	SEAL, CAR	1	LEAD		COMMERCIAL (G)	
6						
7	SPACER, BOTTOM	1	WOOD		JAN-B-107 (G)	
8						

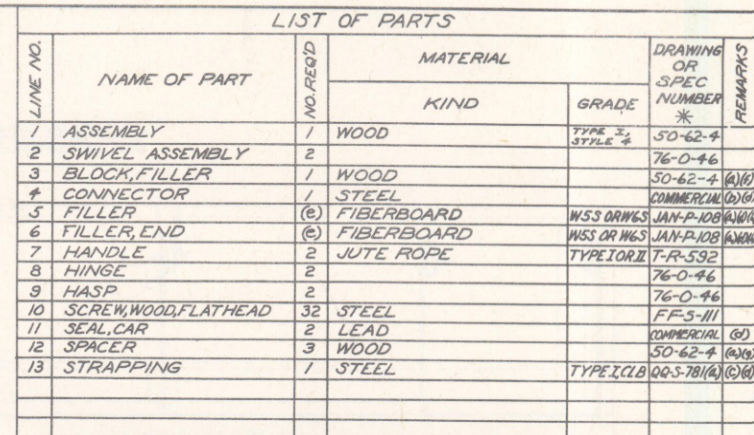
* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER.
(G) SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.
(G) STYLE 2.
(H) ALTERNATIVE MATERIAL (F) - SOLID WATER RESISTANT COMPOSITION BOARD, TYPE I, 1/2 THICK, SPEC AX5-1623.
(I) UNLESS OTHERWISE SPECIFIED THESE PARTS TO BE FURNISHED BY THE LOADER.
(J) ALTERNATIVE MATERIAL IS INTENDED TO BE USED ONLY WHEN PRESCRIBED MATERIAL IS NOT AVAILABLE.
(K) TO BE SUPPLIED LOOSE WITHIN BOX.

NOTICE: THIS DRAWING SHALL NOT BE USED NOR REPRODUCED EITHER WHOLLY OR IN PART EXCEPT WHEN AUTHORIZED IN CONNECTION WITH UNITED STATES GOVERNMENT PROCUREMENT.

BOX, PACKING, AMMUNITION, FOR SUSPENSION BANDS FOR AIRCRAFT PARACHUTE FLARE M8A1. ASSEMBLY, DETAILS AND PACKING.

JAN 3, 1940		CLASS	DIVISION	DRAWING	FILE
REVISIONS		76	16	231	
3	10-21-49				
4	11-17-49				
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED DECIMAL 2 FRACTIONAL 2 ANGULAR 2					
DRG. PERTAINS TO		CHECKER	TRACER	ENGINEER	DESIGNER
		R.T.	R.T.	RND	
SUBMITTED		J.P. Beeman			
		ORD. ENG., ORD DEPT U.S.A.			
EXAMINED		C. J. Muller			
		COL., ORD DEPT U.S.A.			
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE		R. J. ...			
		COL., ORD DEPT U.S.A.			
D		ORDNANCE DEPT., U.S.A.			

SUPERSEDES 76-16-231 AND 76-16-213 IN PART WITH CHANGE OCTOBER 17, 1949.



* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER.

- (A) SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.
- (B) NOT REQUIRED WHEN WIRE IS USED.
- (C) ALTERNATIVE MATERIAL (A) - ROUND STEEL WIRE NO. 14 (0.08) GAGE, TENSILE STRENGTH = 100,000 POUNDS PER SQUARE INCH, SPEC JAN-P-106, (A).
- (D) UNLESS OTHERWISE SPECIFIED THESE PARTS SHALL BE FURNISHED BY THE LOADER.
- (F) SECURE TO SIDE WITH 2-8d NAILS.
- (G) SECURE SPACERS TO TOP AND BOTTOM WITH 4-6d NAILS, CLINCHED, IN EACH PIECE. SECURE SPACER TO END WITH 6-6d NAILS AND TO SIDES WITH 2-6d NAILS.
- (H) ALTERNATIVE MATERIAL (A) - SOLID WATER RESISTANT COMPOSITION BOARD, TYPE I, 1/2" THICK, SPEC AXS-1623.
- (A) ALTERNATIVE MATERIALS ARE INTENDED TO BE USED ONLY WHEN PRESCRIBED MATERIALS ARE NOT AVAILABLE.

NOTICE:-THIS DRAWING SHALL NOT
BE USED NOR REPRODUCED EITHER
WHOLLY OR IN PART EXCEPT WHEN
AUTHORIZED IN CONNECTION WITH
UNITED STATES GOVERNMENT
PROCUREMENT.

color STRAPPING
X .02 X 54 LONG.

THE BOX SHALL BE MARKED IN ACCORDANCE WITH
DRAWING 20-4-613.
THE ICC NOMENCLATURE TO BE APPLIED SHALL BE "FIREWORKS
HANDLE CAREFULLY KEEP FIRE AWAY."
THE DESCRIPTIVE NOMENCLATURE OF THE ITEM PACKED SHALL
BE (SEE TABLE).
ADD THE FOLLOWING MARKING BELOW THE DESCRIPTIVE NOMENCLATURE:-
"30 CARTRIDGES RIFLE GRENADE CAL .30 M3
18 CARTRIDGES CARBINE GRENADE CAL 30 M6."
THE CUBICAL DISPLACEMENT SHALL BE "1.8"
THE AIC SYMBOL SHALL BE (SEE TABLE)

PLACE 3 METAL CONTAINERS CONTAINING CARTRIDGES ON CENTRAL SPACER PLACE ONE END FILLER ADJACENT TO SPACERS. PACK 30 SIGNALS (IN FIBER CONTAINERS) IN VERTICAL POSITION. PLACE ONE OR MORE FILLERS ON TOP AS REQUIRED TO PACK CONTENTS TIGHTLY. ANY ADDITIONAL W-5S OR W-6S FIBERBOARD FILLER MATERIAL NECESSARY TO PRODUCE TIGHT PACKING OF THE CARTRIDGE CONTAINERS AND SIGNAL CONTAINERS WILL BE ADDED.

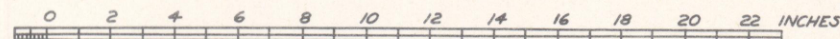
DESCRIPTIVE NOMENCLATURE	A/C SYMBOL
30 SIGNALS GROUND WHITE STAR PARACHUTE M17A1	
30 SIGNALS GROUND GREEN STAR PARACHUTE M19A1	
30 SIGNALS GROUND AMBER STAR PARACHUTE M21A1	
30 SIGNALS GROUND RED STAR PARACHUTE M51A1	
30 SIGNALS GROUND WHITE STAR CLUSTER M18A1	
30 SIGNALS GROUND GREEN STAR CLUSTER M20A1	
30 SIGNALS GROUND AMBER STAR CLUSTER M22A1	
30 SIGNALS GROUND RED STAR CLUSTER M52A1	
30 SIGNALS GROUND SMOKE RED M62	
30 SIGNALS GROUND SMOKE YELLOW M64	
30 SIGNALS GROUND SMOKE GREEN M65	
30 SIGNALS GROUND SMOKE VIOLET M66	

LINE NO	WEIGHTS (ESTIMATED)	
	PART	POUNDS
1	BOX, (EMPTY)	17.0
2	CONTAINERS, FIBER (30)	10.0
3	FILLER, CONNECTOR, STRAPPING, ETC	1.0
4	SIGNALS (30)	32.0
5	CONTAINERS, CARTRIDGES (3)	2.0
6		62.0

LINE NO	LIST OF DRAWINGS	DRAWING NUMBER
1	ASSEMBLY	76-16-23
2	DETAILS	76-0-4
3		
4		

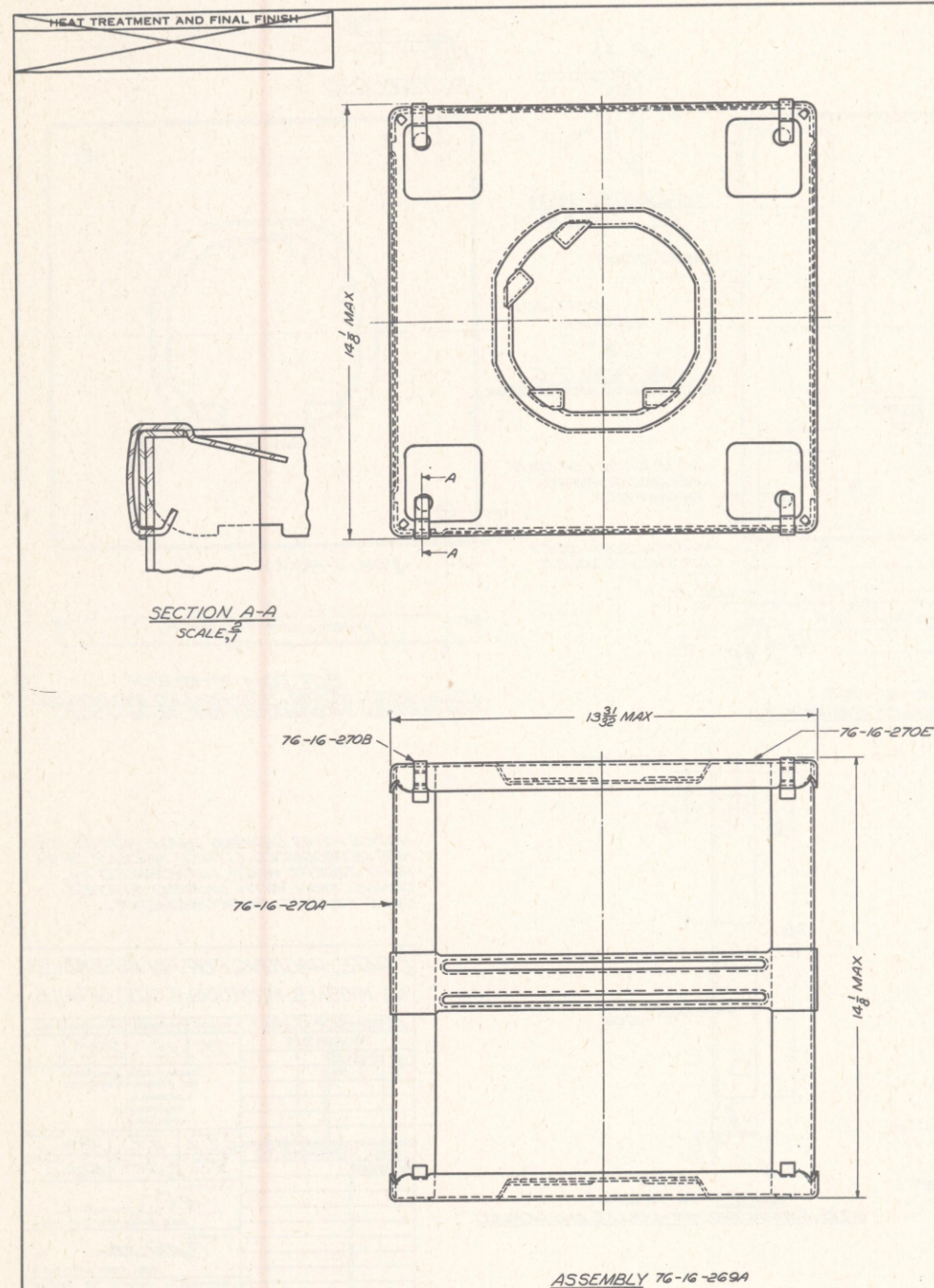
FOR CLOSING, SEALING AND STRAPPING INSTRUCTIONS, SEE DWG 20-4-613.
FOR FIBER CONTAINER MID4A1, SEE DWG. 76-1-1143.
FOR METAL CONTAINER FOR CARTRIDGES, SEE DWG C7673508.

SUPERSEDES 20-4-220 AND 76-16-232 WITH CHANGE JANUARY 9, 1950.



BOX, PACKING, AMMUNITION, FOR GROUND
SIGNALS IN FIBER CONTAINER M104A1.
ASSEMBLY, DETAILS & PACKING.

SEPT. 3, 1940		CLASS		DIVISION		DRAWING		FILE	
REVISIONS		76		16		232			
5 1-9-50									
ORDG. PERTAINS TO		TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED							
		DECIMAL 1							
		FRACTIONAL 2							
		ANGULAR 2							
		OFF HAN.		TRACER		<i>als</i>		ENGINEER	
		CHECKER		<i>H.C.J.</i>		<i>W.F.</i> ⁶		ENGINEER	
		SUBMITTED:							
		<i>W.H. Lamm</i> ORD. ENG. ORD. DEPT. U.S.A.							
		EXAMINED:							
		<i>C.R. Dutton</i> COL. ORD. DEPT. U.S.A.							
		APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:							
		<i>J.W. Harbo</i> COL. ORD. DEPT. U.S.A.							
D		ORDNANCE DEPT., U.S.A.							



SUPERSEDES 76-16-269 WITH CHANGE, MARCH 10, 1950.

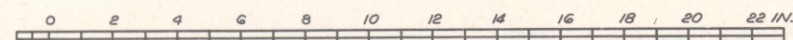
LINE NO.	NAME OF PART	NUMBER REQD PER COMPONENT	PIECE MARK	MATERIAL				APPROX UNIT WEIGHT (POUNDS)	APPROX UNIT WT OF RAW STOCK PER ASSEMBLY	REMARKS
				SIZE OR FORM	KIND	GRADE	SPEC NUMBER			
1	ASSEMBLY		76-16-269A					10.20		(a)
2	BODY ASSEMBLY		76-16-270A							
3										
4	ANGLE	4	76-16-270H	STRIP	STEEL, HOT-ROLLED AND PICKLED	WD 1010	57-136	.51		(c)(e)(d)
5										
6	BOTTOM	1	76-16-270F	SHEET	STEEL, HOT-ROLLED AND PICKLED	WD 1010	57-136	3.21		(d)
7	CLIP	4	76-16-270B	STRIP	STEEL, COLD-ROLLED	WD 1095	57-136	.01		(a)(g)
8	COVER	1	76-16-270E	SHEET	STEEL, HOT-ROLLED AND PICKLED	WD 1010	57-136	3.21		(a)(d)(f)
9										
10										
11										
12										
13	STRAP	1	76-16-270C	STRIP	STEEL HOT-ROLLED AND PICKLED	WD 1010	57-136	1.35		(c)(e)
14										
15										
16										
17										
18										

- (a) COAT ALL SURFACES WITH TYPE I, CLASS RSC, SPEC 57-0-2 (b) THEN COAT WITH OLIVE DRAB RUST-INHIBITING ENAMEL, TYPE I, II OR III, SPEC TT-E-485 WHEN ZINC COATED SHEET IS USED, CLEAN ALL SURFACES IN ACCORDANCE WITH GRADE II, TYPES 2, 3, OR 6, SPEC JAN-C-490 BEFORE PAINTING.
- (b) ALTERNATIVE COATING - GALVANIZE (HOT-DIP) MEETING REQUIREMENTS FOR TYPE I, CLASS RSC, SPEC 57-0-2 OR TYPE I, CLASS RS, SPEC 57-0-2 FOLLOWED BY PREPARATION OF ALL SURFACES WITH TYPE II, CLASS C, SPEC 57-0-2.
- (c) ALTERNATIVE MATERIAL - STEEL, STRIP, WD 1010, COLD-ROLLED, TEMPER NO. 3 (QUARTER-HARD), FINISH NO. 1 (DULL), SPEC 57-136.
- (d) ALTERNATIVE MATERIAL - STEEL, SHEET, WD 1010, COLD-ROLLED, TEMPER NO. 3 (QUARTER-HARD), FINISH NO. 1 (DULL), SPEC 57-136.
- (e) ALTERNATIVE MATERIAL - FLAT STEEL SHEET, ZINC COATED, 2.6562 LBS PER SQUARE FOOT, NO. 16 (.064) GAGE, CLASS E1 OR E2 SPECIALLY PREPARED FOR PAINTING, SPEC QQ-I-716.
- (f) ALTERNATIVE MATERIAL - FLAT STEEL SHEET, ZINC COATED, 1.0462 LBS PER SQUARE FOOT, NO. 22 (.034) GAGE, CLASS E1 OR E2 SPECIALLY PREPARED FOR PAINTING, SPEC QQ-I-716.
- (g) ALTERNATIVE MATERIAL - FLAT STEEL SHEET, ZINC COATED, 1.6562 LBS PER SQUARE FOOT, NO. 20 (.04) GAGE, CLASS E1 OR E2 SPECIALLY PREPARED FOR PAINTING, SPEC QQ-I-716.
- (h) ALTERNATIVE MATERIALS ARE INTENDED TO BE USED ONLY WHEN PRESCRIBED MATERIALS ARE NOT AVAILABLE.

LINE NO.	LIST OF SPECIFICATIONS	SPEC NUMBER	REQUIRED BY	LINE NO.	LIST OF DRAWINGS	DRAWING NUMBER
1	AMMUNITION, EXCEPT SMALL ARMS AMM, GEN SPEC FOR	50-0-1	DWG 76-16-269	1	ASSEMBLY	76-16-269
2	CLEANING AND PREPARATION OF FERROUS METAL ETC	JAN-C-490	DWG 76-16-269	2	DETAILS	76-16-270
3	ENAMEL (FOR) DRUMS AND OTHER METAL PRODUCTS, RUST-INHIBITING, ETC	TT-E-485	DWG 76-16-269	3	PACKING AND MARKING	20-4-286
4				4	ASSEMBLY (ALTERNATIVE)	76-16-312
5	FINISHES, PROTECTIVE, FOR IRON AND STEEL PARTS	57-0-2	DWG 76-16-269			
6						
7	IRON AND STEEL; SHEET, ZINC-COATED (GALVANIZED)	QQ-I-716	DWG 76-16-270			
8	METALS; GENERAL SPECIFICATION FOR INSPECTION OF	QQ-M-151	57-136			
9	PAINT, VARNISH, LACQUER AND OTHER RELATED MATERIALS; ETC	TT-P-141	TT-E-485			
10						
11	STEEL, SHEETS AND STRIPS, CARBON AND ALLOY	57-136	DWG 76-16-270			
12						
13						
14						

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER. SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON SHALL NOT APPLY.

NOTICE: - THIS DRAWING SHALL NOT BE USED NOR REPRODUCED EITHER WHOLLY OR IN PART, EXCEPT WHEN AUTHORIZED IN CONNECTION WITH UNITED STATES GOVERNMENT PROCUREMENT.



CRATE, PACKING, FOR FIN ASSEMBLIES, AN-M109A1 AND M123 (500 LB SIZE). ASSEMBLY.

DECEMBER 15, 1941

CLASS	DIVISION	DRAWING	FILE
76	16	269	

REVISIONS

6	8-15-45		
7	3-10-50		

TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED

DECIMAL 2	FRACTIONAL 2	ANGULAR 2
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DRG. PERTAINS TO

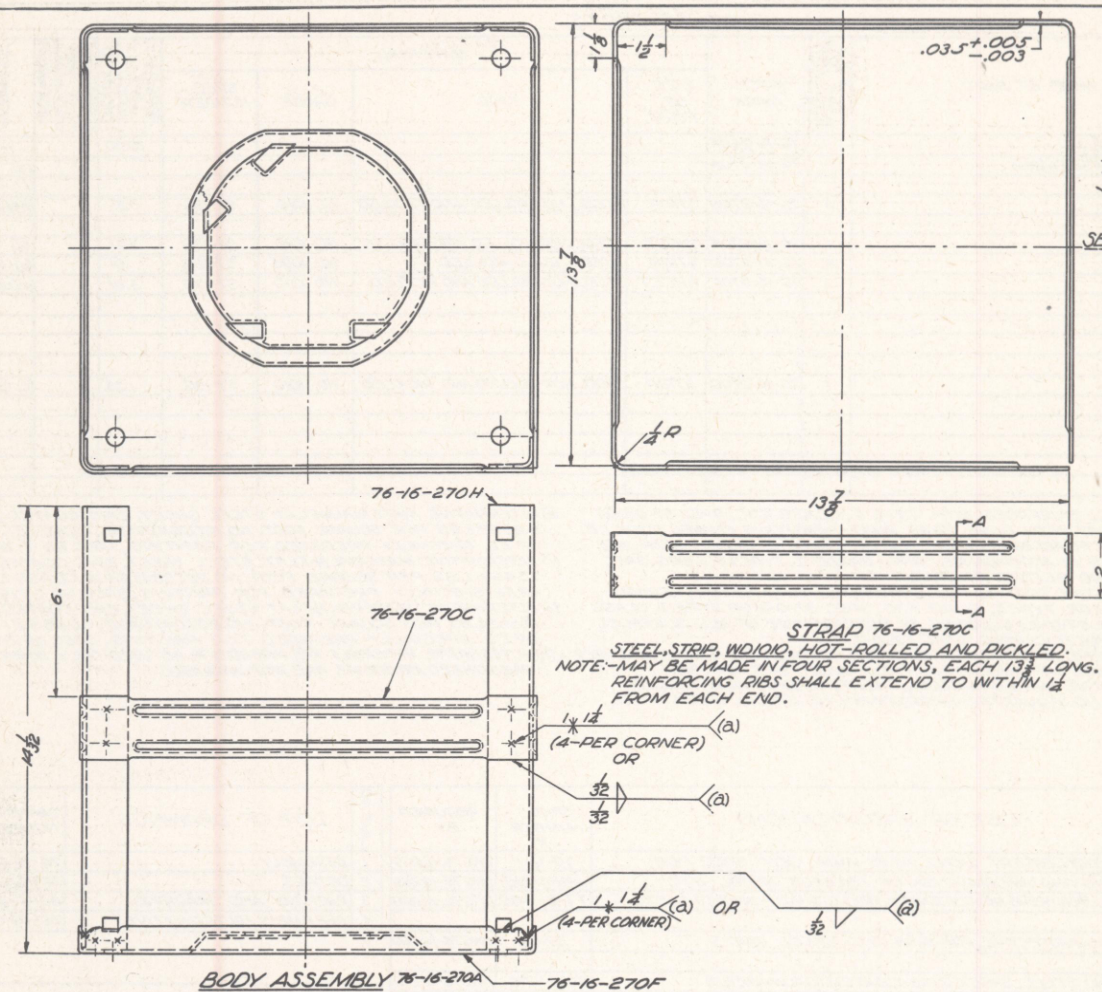
DESIGNED BY	TRACED BY	CHECKED BY	ENGINEER
EJS	BDC	ACJ	PHW

SUBMITTED:

EXAMINED:

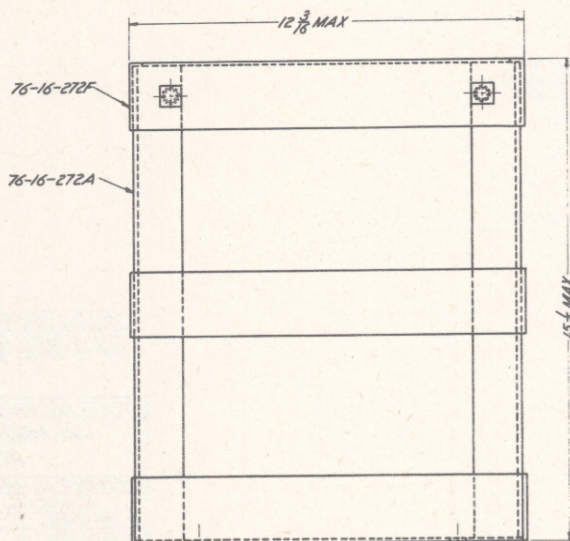
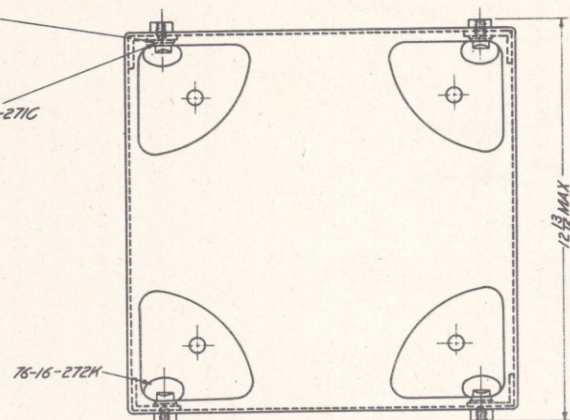
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:

ORDNANCE DEPT., U. S. A.



WASHER 76-16-271B
STEEL, COMMERCIAL
3/8 DIA

WASHER, LOCK 76-16-271C
STEEL, COMMERCIAL
3/8 DIA



ASSEMBLY 76-16-271A

SUPERSEDES 76-16-271 WITH CHANGE, MARCH 10, 1950.

LIST OF PARTS

LINE NO.	NAME OF PART	NUMBER PER COMPONENT	PIECE MARK	MATERIAL			APPROXIMATE UNIT WEIGHT (POUNDS)	APPROXIMATE GROSS WT OF RAW MATERIAL ASSEMBLED	REMARKS
				SIZE OR FORM	KIND	GRADE	SPEC NUMBER		
1	ASSEMBLY		76-16-271A				13.5		
2	BODY ASSEMBLY		76-16-272A						(A)
3									
4	ANGLE, LEFT	2	76-16-272D	STRIP	STEEL, HOT-ROLLED AND PICKLED	WD 1010	57-136		(C) (G)
5	ANGLE, RIGHT	2	76-16-272C	STRIP	STEEL, HOT-ROLLED AND PICKLED	WD 1010	57-136		(C) (G)
6									
7	BOTTOM	1	76-16-272E	SHEET	STEEL, HOT-ROLLED AND PICKLED	WD 1010	57-136		(D) (F)
8	COVER	1	76-16-272F	SHEET	STEEL, HOT-ROLLED AND PICKLED	WD 1010	57-136		(D) (F)
9									
10									
11	NUT, WELDING, SQUARE	4	76-16-272H	3/8-24NF-1	STEEL		COMMERCIAL		
12									
13	SCREW, SHOULDER THUMB	4	76-16-272K	BAR	STEEL, COLD-DRAWN	FS 1117	QQ-S-633		(G) (H)
14	STRAP	1	76-16-272B	STRIP	STEEL, HOT-ROLLED AND PICKLED	WD 1010	57-136		(C) (F)
15	WASHER	4	76-16-271B	3/8 DIA	STEEL		COMMERCIAL		
16									
17	WASHER, LOCK	4	76-16-271C	3/8 DIA	STEEL		COMMERCIAL		
18									
19									
20									
21									

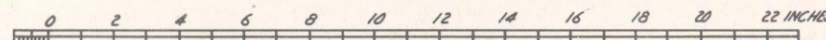
- (C) COAT ALL SURFACES WITH TYPE I, CLASS RSC, SPEC ST-0-2 (B) THEN COAT WITH OLIVE DRAB, RUST-INHIBITING ENAMEL, TYPE I, II, OR III, SPEC TT-E-485. WHEN ZINC COATED SHEET IS USED, CLEAN ALL SURFACES IN ACCORDANCE WITH GRADE II, TYPES 2, 3, OR 6, SPEC JAN-C-490 BEFORE PAINTING.
- (D) ALTERNATIVE COATING: GALVANIZE (HOT-DIP) MEETING REQUIREMENTS FOR TYPE I, CLASS RSC, SPEC ST-0-2 OR TYPE I, CLASS RS, SPEC ST-0-2 FOLLOWED BY PREPARATION OF ALL SURFACES WITH TYPE II, CLASS C, SPEC ST-0-2.
- (E) ALTERNATIVE MATERIAL: STEEL, STRIP, WD 1010, COLD-ROLLED, TEMPER NO. 3 (QUARTER-HARD), FINISH NO. 1 (DULL), SPEC 57-136.
- (F) ALTERNATIVE MATERIAL: STEEL, SHEET, WD 1010, COLD-ROLLED, TEMPER NO. 3 (QUARTER-HARD), FINISH NO. 1 (DULL), SPEC 57-136.
- (G) ALTERNATIVE MATERIAL: FLAT STEEL SHEET, ZINC COATED, NO. 11 (12) GAGE, CLASS E1 OR E2 SPECIALLY PREPARED FOR PAINTING, SPEC QQ-I-716.
- (H) ALTERNATIVE MATERIAL: FLAT STEEL SHEET, ZINC COATED, 1.6562 LBS PER SQUARE FOOT, NO. 20 (24) GAGE, SPECIALLY PREPARED FOR PAINTING, SPEC QQ-I-716.
- (I) PROTECTIVE FINISH: TYPE I, CLASS TS, RS, OR RSC, SPEC ST-0-2.
- (J) ALTERNATIVE: SUBSTITUTION OF A COMMERCIAL SHOULDER THUMB SCREW OF APPROXIMATELY THE SAME DIMENSIONS AND WITH EQUAL COATING IS PERMISSIBLE.

LINE NO.	LIST OF SPECIFICATIONS	SPEC NUMBER	REQUIRED BY
1	AMMUNITION, EXCEPT SMALL ARMS AMMUNITION, GENERAL SPEC. FOR	50-O-1	DWG 76-16-271
2			
3	CLEANING AND PREPARATION OF FERROUS METAL ETC.	JAN-C-490	DWG 76-16-271
4	ENAMEL, FOR DRUMS AND OTHER METAL PRODUCTS, RUST-INHIBITING, ETC	TT-E-485	DWG 76-16-271
5	FINISHES, PROTECTIVE, FOR IRON AND STEEL PARTS	ST-0-2	DWG 76-16-271
6			
7	STEEL, CARBON, BARS (GENERAL PURPOSE)	QQ-S-633	DWG 76-16-272
8	METALS, GENERAL SPECIFICATION FOR INSPECTION OF	QQ-M-151	57-136
9			
10			
11	PAINT, VARNISH, LACQUER AND RELATED MATERIALS, ETC	TT-P-141	TT-E-485
12	STEEL, CARBON AND ALLOY, SHEETS AND STRIPS	57-136	DWG 76-16-272
13			
14	IRON AND STEEL, SHEET, ZINC-COATED (GALVANIZED)	QQ-I-716	DWG 76-16-272

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED, A LETTER IS AFFIXED TO ITS BASIC NUMBER. SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

(K) ALTERNATIVE MATERIALS ARE INTENDED TO BE USED ONLY WHEN PRESCRIBED MATERIALS ARE NOT AVAILABLE.

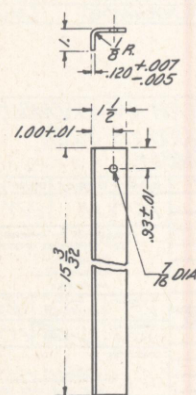
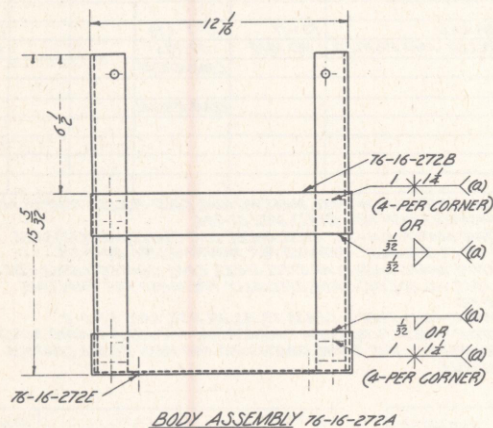
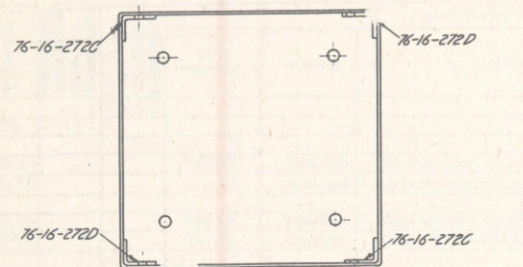
NOTICE: THIS DRAWING SHALL NOT BE USED NOR REPRODUCED EITHER WHOLLY OR IN PART EXCEPT WHEN AUTHORIZED IN CONNECTION WITH UNITED STATES GOVERNMENT PROCUREMENT.



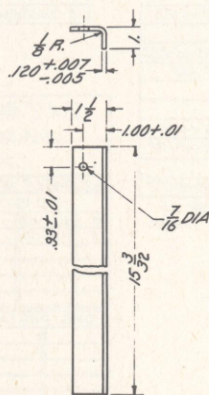
LINE NO.	LIST OF DRAWINGS	DRAWING NUMBER
1	ASSEMBLY	76-16-271
2	DETAILS	76-16-272
3		
4	PACKING AND MARKING	20-4-287
5	ASSEMBLY (ALTERNATIVE)	76-16-305

CRATE PACKING FOR FIN ASSEMBLY,
AN-M1041 (500 LB SIZE).
ASSEMBLY.

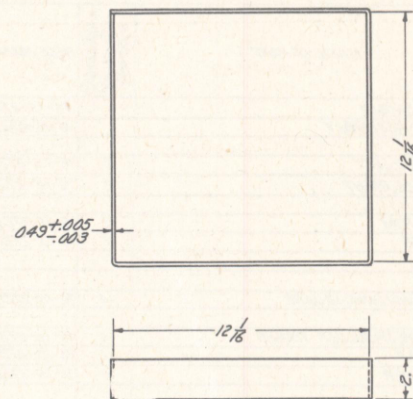
DECEMBER 15, 1941	CLASS	DIVISION	DRAWING	FILE
REVISIONS	76	16	271	
4 8-15-43				
3 3-10-50				
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED				
DECIMAL ±				
FRACTIONAL ±				
ANGULAR ±				
OFFSEMAN H.T.	TRACER J.M.G.	ENGINEER J.M.G.		
CHECKER A.C.J.				
SUBMITTED:				
D.D. ENS., ORD. DEPT. U.S.A.				
EXAMINED:				
P. J. M. Allen COL., ORD. DEPT. U.S.A.				
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:				
J. J. Harris COL., ORD. DEPT. U.S.A.				
ORDNANCE DEPT., U.S.A.				



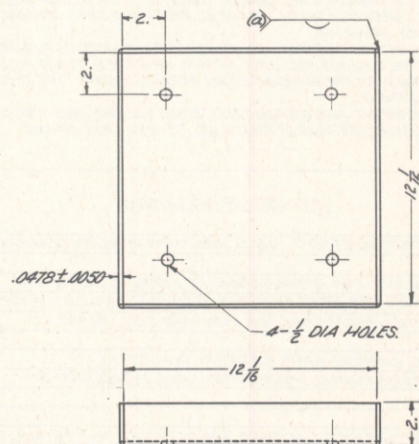
(A) ANGLE, RIGHT 76-16-272C
STEEL STRIP, WD 1010,
HOT-ROLLED AND PICKLED.



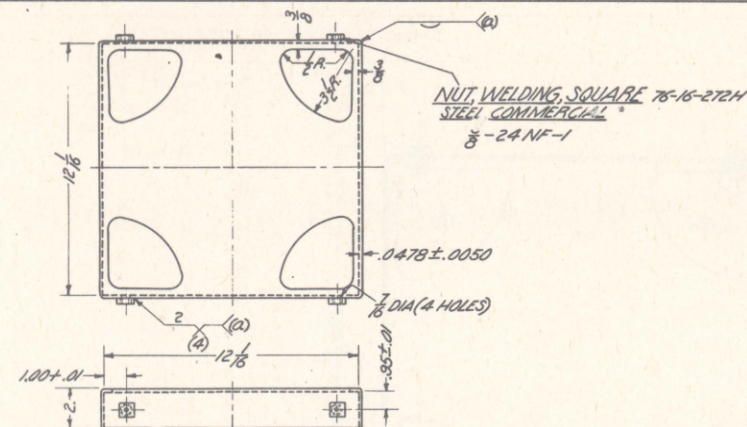
(B) ANGLE, LEFT 76-16-272D
STEEL STRIP, WD 1010,
HOT-ROLLED AND PICKLED.



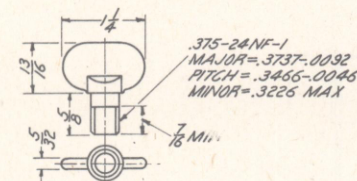
STRAP 76-272B
STEEL STRIP, WD 1010,
HOT-ROLLED AND PICKLED.
NOTE: MAY BE MADE IN FOUR SECTIONS,
EACH 11 3/8 LONG.



BOTTOM 76-16-272E
STEEL SHEET, WD 1010,
HOT-ROLLED AND PICKLED.



COVER 76-16-272F
STEEL SHEET, WD 1010,
HOT-ROLLED AND PICKLED.



SCREW SHOULDER THUMB 76-16-272K
STEEL, FSX 1314, COLD-DRAWN

NOTES:-
(1) FOR WELDING SYMBOLS, SEE JAN-STD-19
(2) MANUFACTURER MAY PLACE ADDITIONAL HOLE IN OPPOSITE
END OF ANGLE TO MAKE RIGHT AND LEFT ANGLES IDENTICAL.

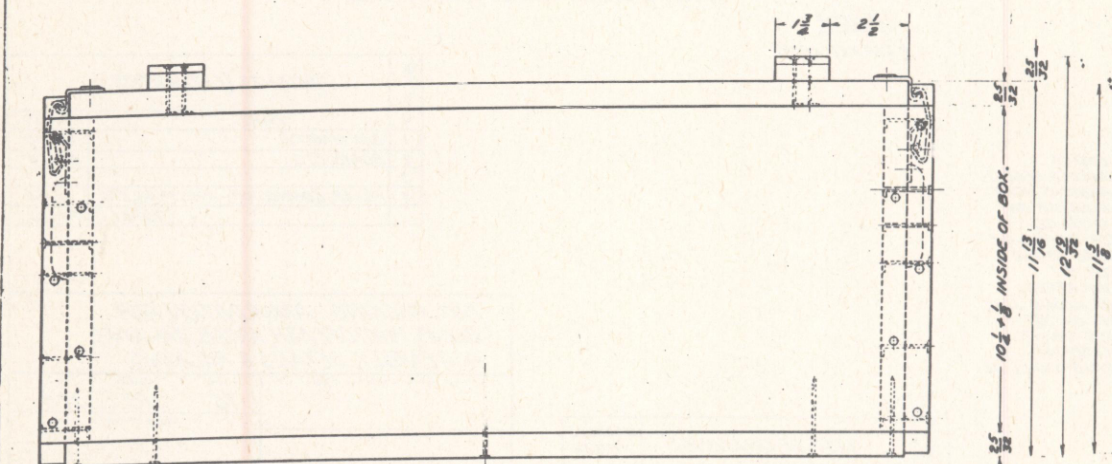
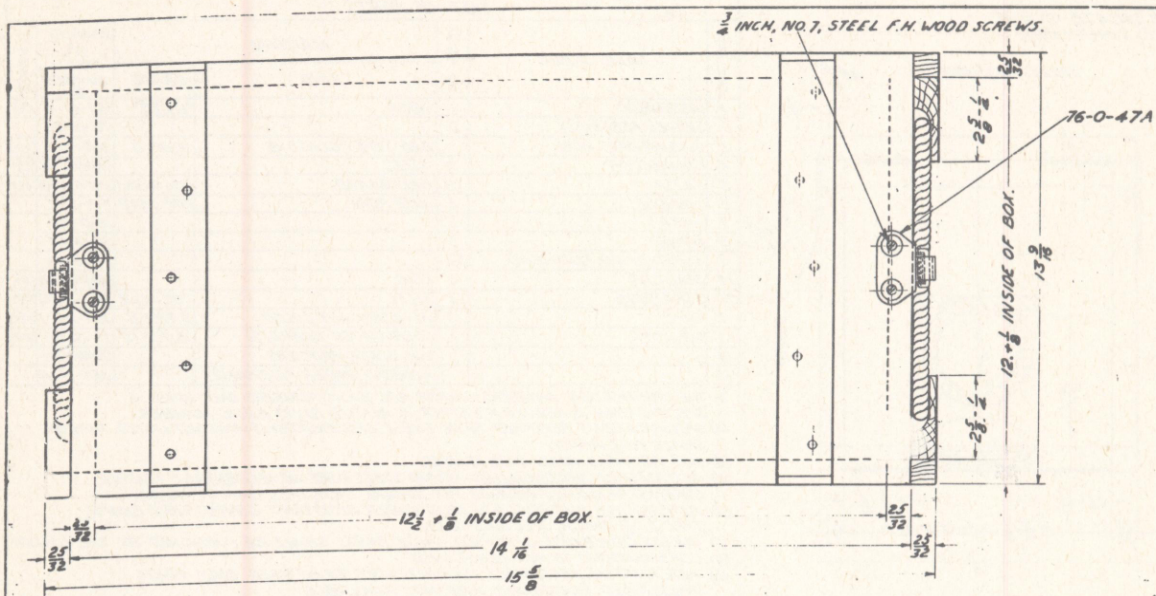
FOR PROTECTIVE FINISH AND ALTERNATIVE MATERIAL, SEE DWG 76-16-271.

NOTICE: THIS DRAWING SHALL NOT BE USED NOR
REPRODUCED EITHER WHOLLY OR IN PART
EXCEPT WHEN AUTHORIZED IN CONNECTION WITH
UNITED STATES GOVERNMENT PROCUREMENT.

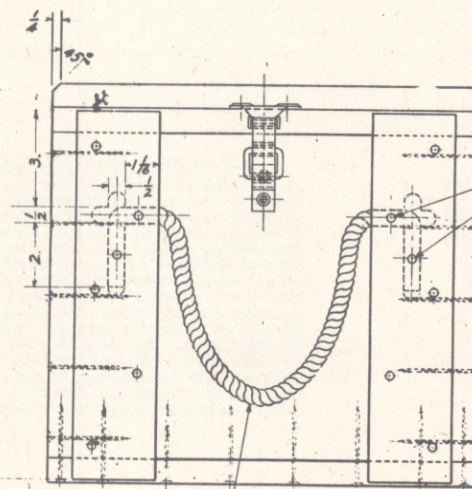
CRATE, PACKING FOR FIN ASSEMBLY, AN-M100A1 (500 LB SIZE). DETAILS.			
REVISIONS	CLASS	DIVISION	DRAWING
4 8-15-45	76	16	272
5 3-10-50			
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED			
DECIMAL ±			
FRACTIONAL ±			
ANGULAR ±			
DRG. PERTAINS TO			
DESIGNED BY J.F.A. J.M.B. R.M.D.			
CHECKED BY A.C.U. S.S.P. G.W.U.			
SUBMITTED BY			
EXAMINED BY			
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE			
D			
ORDNANCE DEPT., U.S.A.			

SUPERSEDES 76-16-272 WITH CHANGE, MARCH 10, 1950.

SCALE, INCHES, 1/2" = 1"



NOTES:-
 MOISTURE CONTENT OF LUMBER AT TIME OF MANUFACTURE OF BOX TO BE 12% MIN., 18% MAX.
 LUMBER MUST BE SURFACED ON TWO SIDES (S2S). EDGES TO BE STRAIGHT AND SQUARE TO THE SURFACE OF THE LUMBER. (a)(b)
 GRAIN OF WOOD IN TOP, BOTTOM AND SIDES TO RUN LENGTHWISE OF BOX.
 GRAIN OF WOOD IN ENDS TO RUN CROSSWISE OF BOX.
 BOTTOM TO BE SECURED WITH A LESS THAN 16-6d. NAILS.
 SIDES TO BE SECURED TO ENDS AND CLEATS WITH NOT LESS THAN 20-8d. NAILS.
 CLEATS TO BE SECURED TO ENDS WITH NOT LESS THAN 24-6d. NAILS, CLINCHED.
 TOP CLEATS TO BE SECURED WITH NOT LESS THAN 10-6d. NAILS, CLINCHED.
 CLINCHED NAILS MUST BE FLUSH OR BELOW INTERIOR SURFACE OF BOX.
 ALL NAILS TO BE CEMENT COATED.
 ALL NAILS SPECIFIED ARE FOR USE IN GROUP I WOODS. IF WOODS OF OTHER GROUPS ARE USED, NAIL SIZES MAY BE AS FOLLOWS:- GROUP II-7d., GROUP III-7d., GROUP IV-6d.
 METAL FITTINGS TO BE LOCATED ON CENTER LINE OF TOP WHEN TOP IS MADE OF MORE THAN ONE PIECE.
 PLACE METAL FITTINGS SO THAT EITHER SCREW IS AT LEAST 1/8 INCH FROM ANY JOINT.
 (b) ALTERNATIVE:- LUMBER MAY BE SURFACED ON ONE SIDE(S1S) AND RESAWN ON THE OTHER SIDE.
 EDGES TO BE STRAIGHT AND SQUARE WITH THE SURFACE OF THE LUMBER.
 RESAWN SURFACE TO FACE INSIDE OF BOX.
 (b) ALTERNATIVE:- LUMBER MAY BE 3/4 OR 1/2 INCHES IN THICKNESS.



THIS BOX FOR USE IN PACKING 72 OF THE FOLLOWING AIRCRAFT SIGNALS, IN 6 PACKING CARTONS:-

DOUBLE-STAR, RED-RED, AN-M3TAI.
 DOUBLE-STAR, YELLOW-YELLOW, AN-M3BAI.
 DOUBLE-STAR, GREEN-GREEN, AN-M3PAI.
 DOUBLE-STAR, RED-YELLOW, AN-M4DAI.
 DOUBLE-STAR, RED-GREEN, AN-M4IAI.
 DOUBLE-STAR, GREEN-YELLOW, AN-M4BAI.
 SINGLE-STAR, RED, AN-M4SAI.
 SINGLE-STAR, GREEN, AN-M4SAI.
 SINGLE-STAR, YELLOW, AN-M4BAI.

SCALE, INCHES:-1/4

LIST OF PARTS

LINE NO.	NAME OF PART	NUMBER REQUIRED PER COMPONENT	PIECE-MARK	SIZE OR FORM	MATERIAL	GRADE	SPEC. NUMBER	APPROX. WEIGHT (POUNDS)	APPROX. VOLUME (CUBIC FEET)	REMARKS
1	ASSEMBLY		76-16-298A							
2	METAL FITTINGS ASSEMBLY	2	76-0-47A		STEEL		100-22	20.		
3							COMMERCIAL			
4										
5	HANDLE	2	76-16-298B3	1/2 IN. ROPE	JUTE	TYPE I	T-R-592			
6										
7										
8										
9		34		6d	NAILS, BOX, STEEL WIRE		COMMERCIAL			
10		36		8d	NAILS, BOX, STEEL WIRE		COMMERCIAL			
11										
12		8		3/8 IN. NO. 7	SCREWS, WOOD, F.H., STEEL		COMMERCIAL			

LIST OF SPECIFICATIONS

LINE NO.	LIST OF SPECIFICATIONS	SPEC. NUMBER	REQUIRED BY
1	AMMUNITION, EXCEPT SMALL ARMS AMMUNITION, GENERAL SPEC. FOR	50-0-1	ORG. 76-16-298
2	GENERAL SPEC. FOR PACKAGING AND PACKING FOR OVERSEAS SHIPMENT	100-14	DEG. 76-16-298
3			
4	PACKAGING AND PACKING FOR OVERSEAS SHIPMENT-BOXES, WOOD, NAILED	100-22	DEG. 76-16-298
5	ROPE, JUTE	T-R-592	DEG. 76-16-298

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER. SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

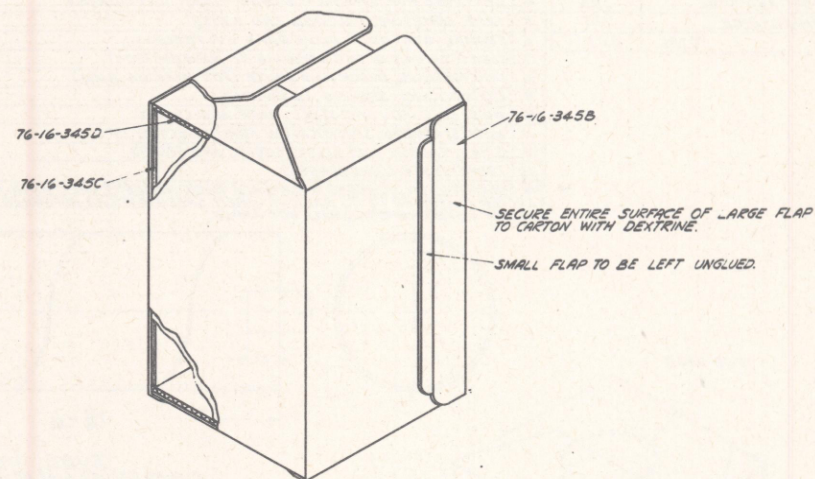
LIST OF DRAWINGS

LINE NO.	LIST OF DRAWINGS	DRAWING NUMBER
1	ASSEMBLY	76-16-298
2	FITTINGS, METAL	76-0-47
3	PACKING AND MARKING OF BOX	20-4-315
4		

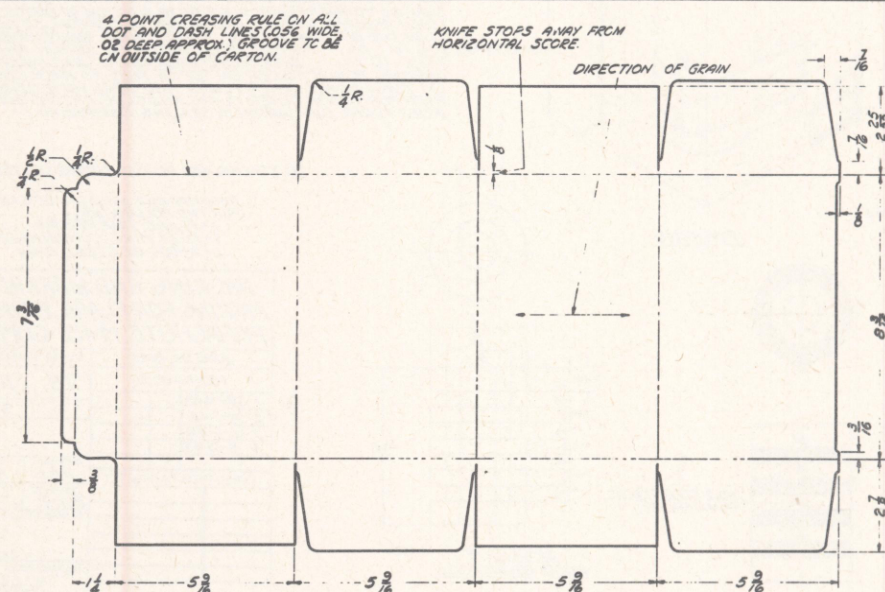
BOX, PACKING, FOR AIRCRAFT SIGNALS, AN-M3TAI TO AN-M4SAI INCL ASSEMBLY.

MARCH 9, 1942.		CLASS	DIVISION	DRAWING	FILE
REVISIONS		76	16	298	
1	7-15-19				
2	12-29-44				
3	5-31-45				
DRG. PERTAINS TO					
N.W.P.		L.N.G.			
C.L.V.					
SUBMITTED					
EXAMINED					
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE					
ORDNANCE DEPT. U.S.A.					

SUPERSEDED BY 76-1-1298 WITH CHANGE MARCH 23, 1950.



ASSEMBLY 76-16-345A



CARTON 76-16-345B1
JUTEBOARD, SOLID
.04 THICK
ALTERNATIVE MATERIAL - DOUBLE KRAFT-LINED
BOARD, .04 THICK.

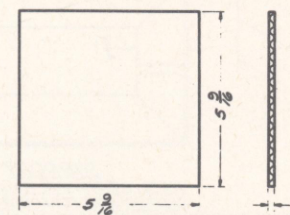
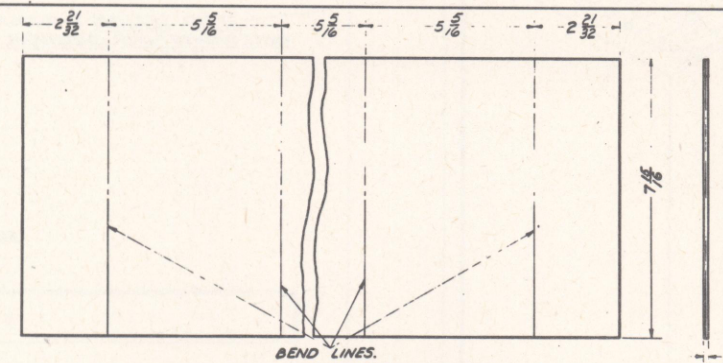
LIST OF PARTS

LINE NO	NAME OF PART	NUMBER REQD PER COMPONENT	PIECE- MARK	SIZE OR FORM	MATERIAL			APPROXIMATE WEIGHT (POUNDS)	APPROX GROSS WT OF RAW MATERIAL ASSEMBLED	REMARKS
					KIND	GRADE	SPEC. NUMBER			
1	ASSEMBLY		76-16-345A					.58		
2										
3	CARTON	1	76-16-345B	SHEET	JUTEBOARD, SOLID		COMMERCIAL	.319		(A)
4	FILLER		76-16-345C	SHEET	CORRUGATED FIBERBOARD	BOARD NO. 11	LLL-B-631	.034		
5	LINER	1	76-16-345C	SHEET	CORRUGATED FIBERBOARD	BOARD NO. 11	LLL-B-631	.188		
6										
7										
8										
9					DEXTRINE	TYPE I	AXS-650			
10										
11										
12										

(A) ALTERNATIVE MATERIAL - DOUBLE KRAFT-LINED BOARD, .04 THICK, COMMERCIAL.

LINE NO	LIST OF SPECIFICATIONS	SPEC. NUMBER	REQUIRED BY
1	AMMUNITION, EXCEPT SMALL ARMS AMM, GENERAL SPEC. FOR	SC-O-1	DRG 76-16-345
2			
3	DEXTRINE FOR SPIRALLY WOUND CONTAINERS	AXS-650	DRG 76-16-345
4			
5	BOXES, FIBER, CORRUGATED	LLL-B-631	DRG 76-16-345
6			

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER. SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.



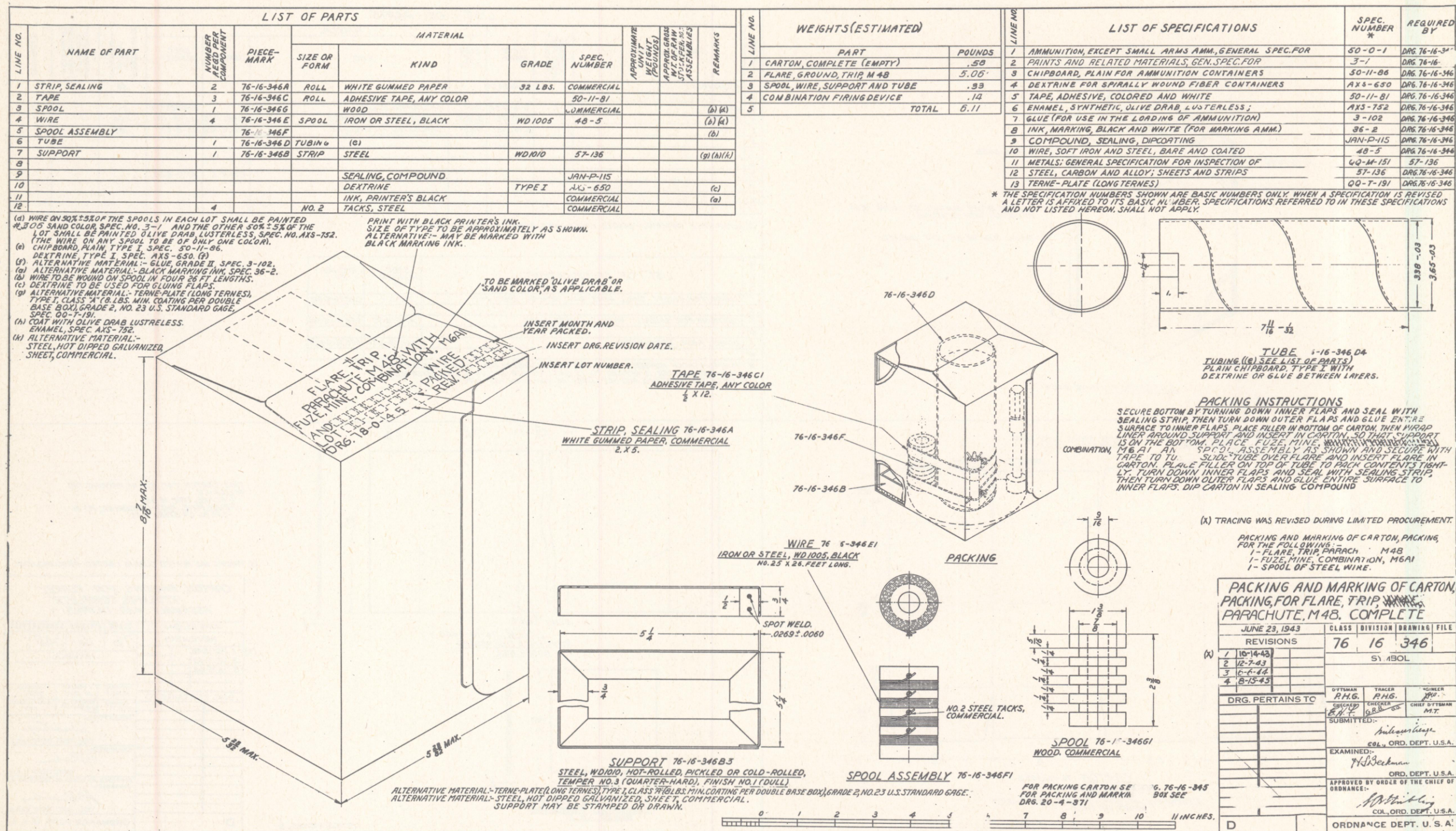
FILLER 76-16-345D
CORRUGATED FIBERBOARD
BOARD NO. 11

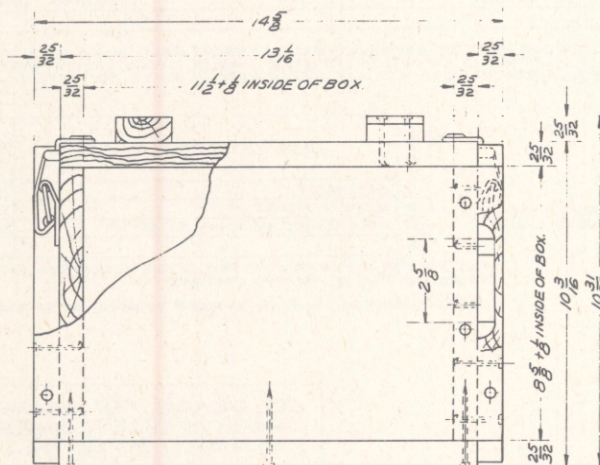
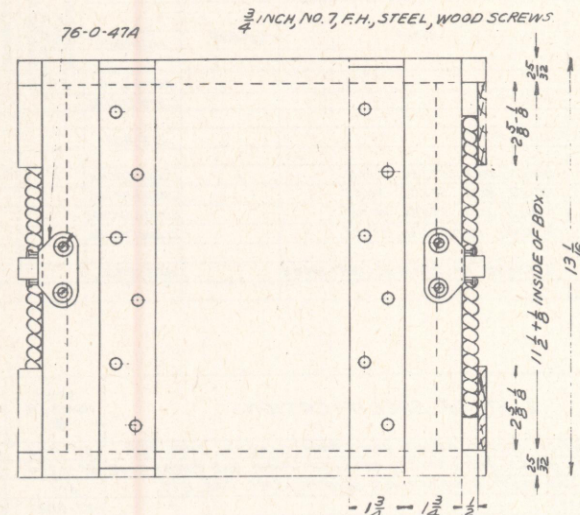
THIS CARTON FOR USE IN PACKING THE
FOLLOWING:-
1-FLARE, TRIP M48
1-FUZEMINE, ANTI-PERSONNEL, M2A1
1-SPOOL OF STEEL WIRE

(X) TRACING WAS REVISED DURING LIMITED PROCUREMENT.

CARTON, PACKING, FOR FLARE, TRIP, M48, COMPLETE ASSEMBLY AND DETAILS.			
JUNE 23, 1943	CLASS	DIVISION	DRAWING FILE
REVISIONS	76	16	345
(X) 1 10-14-43	SYMBOL		
2 12-7-43			
3 6-6-44			
DRG. PERTAINS TO			
OFFICER	MAN	TRACER	MAN
CHECKER	MAN	CHECKER	MAN
SUBMITTED BY: <i>William H. Hoge</i>			
COL., ORD. DEPT. U.S.A.			
EXAMINED BY: <i>H. Beckman</i>			
ORD. DEPT. U.S.A.			
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE: <i>W. H. Hoge</i>			
COL., ORD. DEPT. U.S.A.			
D	ORDNANCE DEPT. U. S. A.		

SCALE, INCHES, 1/8





NOTES:-

MOISTURE CONTENT OF LUMBER AT TIME OF MANUFACTURE OF BOX TO BE 12% MIN. 18% MAX. LUMBER MUST BE SURFACED ON TWO SIDES (S2S). EDGES TO BE STRAIGHT AND SQUARE WITH THE SURFACE OF THE LUMBER. (a) (b). GRAIN OF WOOD IN TOP BOTTOM AND SIDES TO RUN LENGTHWISE OF BOX. GRAIN OF WOOD IN ENDS TO RUN CROSSWISE OF BOX. BOTTOM TO BE SECURED WITH NOT LESS THAN 14-8d NAILS. SIDES TO BE SECURED TO ENDS AND CLEATS WITH NOT LESS THAN 16-8d NAILS. CLEATS TO BE SECURED TO ENDS WITH NOT LESS THAN 20-6d NAILS, CLINCHED. COVER CLEATS TO BE SECURED TO COVER WITH NOT LESS THAN 12-6d NAILS, CLINCHED. (c). ALL NAILS TO BE CEMENT COATED. 8d NAILS SPECIFIED ARE FOR USE IN GROUP I WOODS. IF WOODS OF OTHER GROUPS ARE USED, NAIL SIZES MAY BE AS FOLLOWS:- GROUP II - 7d; GROUP III - 7d; GROUP IV - 6d. CLINCHED NAILS MUST BE FLUSH OR BELOW INTERIOR SURFACE OF BOX. METAL FITTINGS TO BE LOCATED ON THE CENTER LINE OF TOP WHEN TOP IS MADE OF MORE THAN ONE PIECE. PLACE METAL FITTINGS SO THAT EITHER SCREW IS AT LEAST 1 INCH FROM ANY JOINT. EXTERIOR OF BOX TO BE STAINED WITH WATER SOLUBLE OR ASPHALTIC TYPE STAIN, INTERIOR OPTIONAL.

ASSEMBLY 76-16-347A3
WOOD

HANDLE 76-16-347B3
ROPE, JUTE, TYPE I
1/2 DIA. X 24 LONG.

(b) ALTERNATIVE:- LUMBER MAY BE SURFACED ON ONE SIDE (S1S), RESAWN ON THE OTHER SIDE, RESAWN SURFACE TO FACE INSIDE OF BOX.

(d) ALTERNATIVE:- LUMBER MAY BE 3/4 OR 1 1/8 INCH IN THICKNESS.

(c) 5d NAILS MAY BE USED WHENEVER 3/4 INCH LUMBER IS USED.

0 2 4 6 8 10 12 14 16 18 20 22 INCHES.

LIST OF PARTS

LINE NO.	NAME OF PART	NUMBER REQD PER COMPONENT	PIECE-MARK	SIZE OR FORM	MATERIAL	GRADE	SPEC. NUMBER	APPROXIMATE UNIT WEIGHT (LBS)	APPROX GROSS WT OF RAW MATERIAL PER UNIT ASSEMBLIES	REMARKS
1	ASSEMBLY		76-16-347A				50-62-4	16.24		
2	METAL FITTINGS ASSEMBLY	2	76-0-47A		STEEL		COMMERCIAL			
3										
4	HANDLE	2	76-16-347B	1 DIA X 24 LG	JUTE ROPE	TYPE I	AXS-902			
5										
6										
7										
8		32		6d	NAILS, BOX, STEEL WIRE		COMMERCIAL			
9		30		8d	NAILS, BOX, STEEL WIRE		COMMERCIAL			
10		8		3/4 IN. NO. 7	SCREWS, WOOD, F.H. STEEL		COMMERCIAL			
11										
12					STAIN, WATER SOLUBLE	TYPE I OR II	3-189			(d)

(d)-ALTERNATIVE MATERIAL:- STAIN, PRESERVATIVE, ASPHALTIC TYPE, SPEC. 3-190.

LIST OF SPECIFICATIONS

LINE NO.	SPEC. NUMBER	REQUIRED BY
1	AMMUNITION, EXCEPT SMALL ARMS AMM., GENERAL SPEC. FOR	50-0-1 DRG 76-16-347
2	ROPE, JUTE	AXS-902 DRG 76-16-347
3	PACKING BOXES AND CRATES, ARTILLERY AMM. AND BOMBS, WOOD	50-62-4 DRG 76-16-347
4	PAINTS AND RELATED MATERIALS, GENERAL SPEC. FOR	3-1 AXS-843
5	STAIN, PRESERVATIVE, ASPHALTIC TYPE	3-190 DRG 76-16-347
6	STAIN, PRESERVATIVE, WATER SOLUBLE	3-189 DRG 76-16-347
7		

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER. SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

LIST OF DRAWINGS

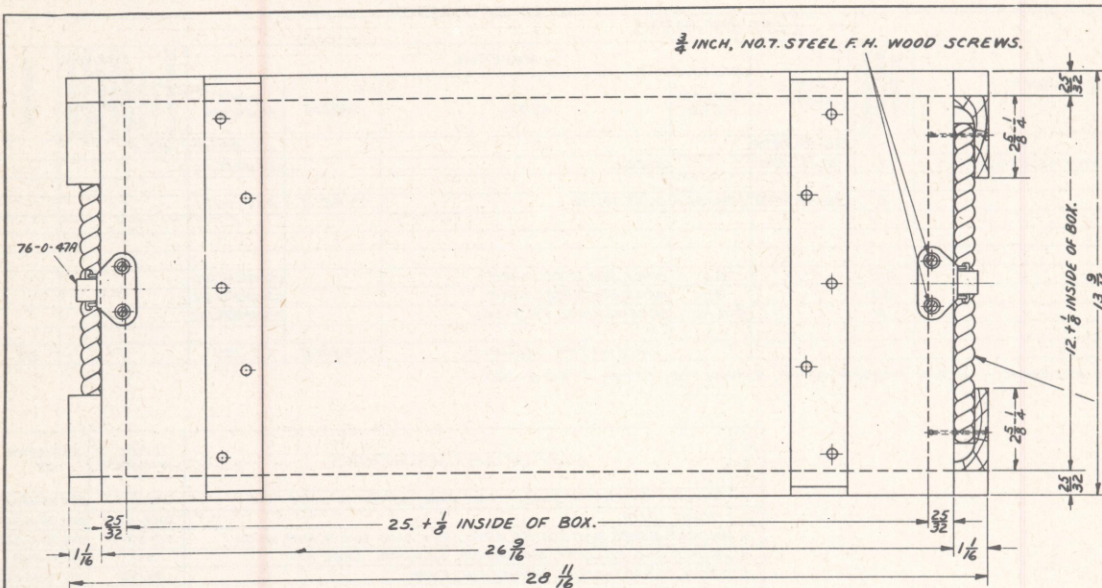
LINE NO.	DRAWING NUMBER
1	ASSEMBLY 76-16-347
2	
3	METAL FITTINGS 76-0-47
4	PAINTING AND MARKING OF BOX 20-4-371

THIS BOX FOR USE IN PACKING 4 TRIP FLARES, M48, IN PACKING CARTONS.

SUPERSEDES OLD TRACING 76-16-347 UNDER REVISION DATE OF JUNE 6, 1944.

BOX, PACKING, FOR FLARES, TRIP, M48, COMPLETE. ASSEMBLY AND DETAILS.

JUNE 23, 1943		CLASS	DIVISION	DRAWING	FILE
REVISIONS		76	16	347	
2	1-2-43				
3	6-6-44				
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED					
DECIMAL 2					
FRACTIONAL 2					
ANGULAR 2					
DRG. PERTAINS TO		D. FISHMAN	TRACER	G.W.A.	ENGINEER
		G.W.A.			
		E.J.S.			
		SUBMITTED: <i>Am. J. J. J.</i>			
		EXAMINED: <i>R.C. Walling</i>			
		APPROVED BY ORDER OF THE CHIEF OF ORDNANCE: <i>C. F. Reed</i>			
		ORD. DEPT. U.S.A.			



LINE NO.	NAME OF PART	NUMBER REQ'D PER COMPONENT	PIECE-MARK	MATERIAL				APPROXIMATE WEIGHT (POUNDS)	APPROX. GROSS WEIGHT OF STOCK MATERIAL ASSEMBLIES	REMARKS
				SIZE OR FORM	KIND	GRADE	SPEC. NUMBER			
1	ASSEMBLY		76-16-364A				50-62-4	29.5		
2	METAL FITTINGS ASSEMBLY	2	76-0-47A		STEEL		COMMERCIAL			
3										
4	HANDLE	2	76-16-364B	1/2 DIA. X 22 LG.	JUTE ROPE		AXS-902			
5										
6		10		6d	NAILS, BOX, STEEL WIRE		COMMERCIAL			
7		20		7d	NAILS, BOX, STEEL WIRE		COMMERCIAL			
8		40		8d	NAILS, BOX, STEEL WIRE		COMMERCIAL			
9		8		1/4 INCH, NO. 7	SCREWS, WOOD, F. H., STEEL		COMMERCIAL			
10										
11					STAIN, WATER SOLUBLE, LIGHT BROWN		AXS-843			
12										

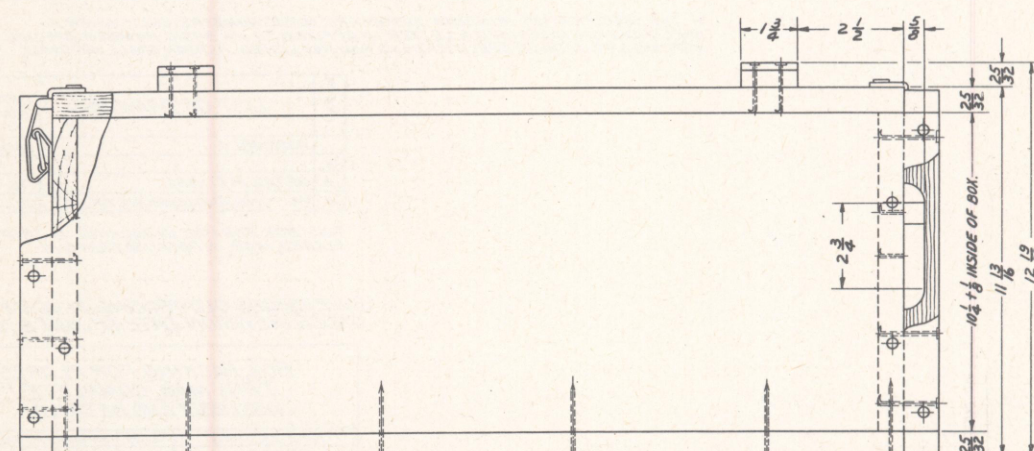
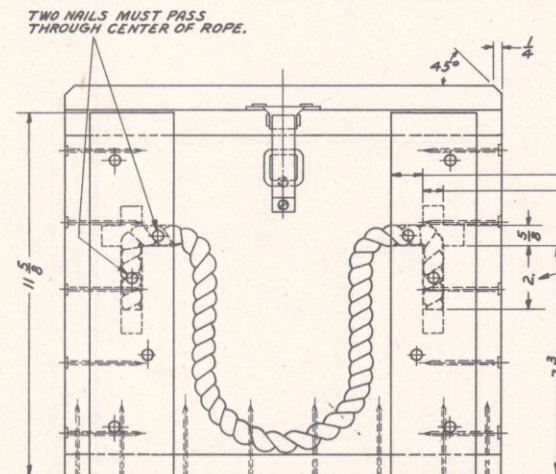
HANDLE 76-16-364B
ROPE, JUTE, TYPE I
1/2 DIA. X 22. LONG.
MIN. TENSILE STRENGTH REQ'D. 2000 LBS.

LINE NO.	LIST OF SPECIFICATIONS	SPEC. NUMBER *	REQUIRED BY
1	AMMUNITION, EXCEPT SMALL ARMS AMM., GENERAL SPEC. FOR	50-0-1	DRG. 76-16-364
2	PACKING BOXES AND CRATES, ARTILLERY AMM. AND BOMBS, WOOD	50-62-4	DRG. 76-16-364
3	PAINTS AND RELATED MATERIALS, GENERAL SPEC. FOR, ETC.	3-1	AXS-843
4	ROPE, JUTE	AXS-902	DRG. 76-16-364
5			
6	STAIN, WATER SOLUBLE	AXS-843	DRG. 76-16-364
7			

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER. SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

LINE NO.	LIST OF DRAWINGS	DRAWING NUMBER
1	ASSEMBLY	76-16-364
2	METAL FITTINGS	76-0-47
3	PACKING AND MARKING OF BOX	20-4-397
4		

THIS BOX FOR USE IN PACKING 144 OF THE FOLLOWING AIRCRAFT SIGNALS, IN TWELVE PACKING CARTONS: "AN-M53A1", "AN-M54A1", "AN-M55A1", "AN-M56A1", "AN-M57A1" OR "AN-M58A1"



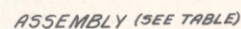
ASSEMBLY 76-16-364A
WOOD

NOTES:—
(a) MOISTURE CONTENT OF LUMBER AT TIME OF MANUFACTURE OF BOX TO BE 12% MIN., 18% MAX.
(b) LUMBER MUST BE SURFACED ON TWO SIDES (S2S), EDGES TO BE STRAIGHT AND SQUARE WITH THE SURFACE OF THE LUMBER.
(c) GRAIN OF WOOD IN TOP, BOTTOM AND SIDES TO RUN LENGTHWISE OF BOX.
(d) BOTTOM TO BE SECURED WITH NOT LESS THAN 20-8d NAILS.
(e) SIDES TO BE SECURED TO ENDS AND CLEATS WITH NOT LESS THAN 20-8d NAILS.
(f) CLEATS TO BE SECURED TO ENDS WITH NOT LESS THAN 20-7d NAILS, CLINCHED.
(g) TOP CLEATS TO BE SECURED TO COVER WITH NOT LESS THAN 10-6d NAILS, CLINCHED.
(h) CLINCHED NAILS MUST BE FLUSH OR BELOW INTERIOR SURFACE OF BOX.
(i) ALL NAILS TO BE CEMENT CORDED.
(j) 8d NAILS SPECIFIED ARE FOR USE IN GROUP I WOODS. IF WOODS OF OTHER GROUPS ARE USED, NAIL SIZES MAY BE AS FOLLOWS:—GROUP II-7d, GROUP III-7d, GROUP IV-6d.
(k) METAL FITTINGS TO BE LOCATED ON THE CENTER LINE OF TOP WHEN TOP IS MADE FROM MORE THAN ONE PIECE.
(l) PLACE METAL FITTINGS SO THAT EITHER SCREW IS AT LEAST 1/2 INCH FROM ANY JOINT.
(m) INSIDE AND OUTSIDE OF BOX TO BE STAINED WITH LIGHT BROWN STAIN.
(n) ALTERNATIVE:—LUMBER MAY BE SURFACED ON ONE SIDE (S1S) AND RESAWN ON THE OTHER SIDE. RESAWN SURFACE TO FACE INSIDE OF BOX.
(o) ALTERNATIVE:—LUMBER MAY BE 1/2 OR 3/4 INCH IN THICKNESS.
(p) 5d NAILS MAY BE USED WHENEVER 1/2 INCH LUMBER IS USED.

SCALE, INCHES, 1/2"

BOX, PACKING, FOR AIRCRAFT SIGNALS, AN-M53A1 TO AN-M58A1, INCL. ASSEMBLY AND DETAILS.			
AUGUST 31, 1943		CLASS	DIVISION
REVISIONS		76	16
1 9-11-44		364	
SYMBOL			
DRG. PERTAINS TO		ENGINEER	TRACER
SAG		688-20	MT
SUBMITTED		MAJ. ORD. DEPT., U.S.A.	
EXAMINED		MAJ. ORD. DEPT., U.S.A.	
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE		J.P. Strubling by a.c.	
D		COL., ORD. DEPT., U.S.A.	
ORDNANCE DEPT., U.S.A.			

SUPERSEDED BY 76-1-1298 WITH CHANGE MARCH 23, 1950.



Hand-drawn technical drawings of a vane rack assembly, showing three views: a top view, a side view, and a cross-section view.

Top View: A rectangular plate with overall dimensions of $3\frac{1}{16}$ inches by $7\frac{7}{8}$ inches. It features two circular holes, each with a diameter of $\frac{3}{16}$ inches, spaced $3\frac{15}{16}$ inches apart. The distance from the left edge to the first hole is $1\frac{3}{32}$ inches, and from the right edge to the second hole is $3\frac{15}{16}$ inches. The distance between the holes is $3\frac{15}{16}$ inches. The top view is labeled "TOP, VANE RACK".

Side View: A cross-section of the plate showing a thickness of $\frac{3}{16}$ inches and a width of $7\frac{7}{8}$ inches. It indicates a $\frac{1}{8} \times 45^\circ$ CHAMFER, BOTH ENDS.

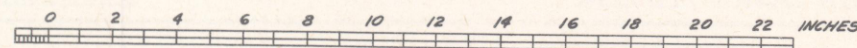
Cross-section View: Shows the plate being secured with two $8d$ NAILS, each with a diameter of $\frac{3}{16}$ inches. The distance between the nails is $3\frac{1}{8}$ inches. The top view also shows the placement of the nails, with 4-5d NAILS used for the top and bottom edges and 4-5d NAILS for the side edges. The top view is labeled "TOP, VANE RACK".

Labels and Dimensions:

- Top View: $3\frac{1}{16}$, $7\frac{7}{8}$, $1\frac{3}{32}$, $3\frac{15}{16}$, $\frac{3}{16}$, $3\frac{15}{16}$.
- Side View: $\frac{3}{16}$, $7\frac{7}{8}$.
- Cross-section View: $\frac{3}{16}$, $3\frac{1}{8}$, $8d$ NAILS, $\frac{3}{16}$, $4-5d$ NAILS, $4-5d$ NAILS, $4-5d$ NAILS.
- Annotations: $\frac{1}{8} \times 45^\circ$ CHAMFER, BOTH ENDS., SECURE DOWELS WITH 2- $8d$ NAILS., $\frac{3}{16}$ DRILL, 2-HOLES., $\frac{3}{16}$ DRILL, 2-HOLES.

STRAPPING
5X.02 X 43. LONG

FOR CLOSING, SEALING AND STRAPPING INSTRUCTIONS, SEE DWG 20-4-613.
FOR METAL CONTAINER, SEE DWGS 76-1-222, 76-1-224 OR 76-1-225.



* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER.

(a) SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

(b) UNLESS OTHERWISE SPECIFIED THESE PARTS SHALL BE FURNISHED BY THE LOADER.

(c) TO BE SUPPLIED LOOSE WITHIN THE BOX.

(d) NOT REQUIRED WHEN WIRE IS USED.

(e) AS REQUIRED BY THE LOADER.

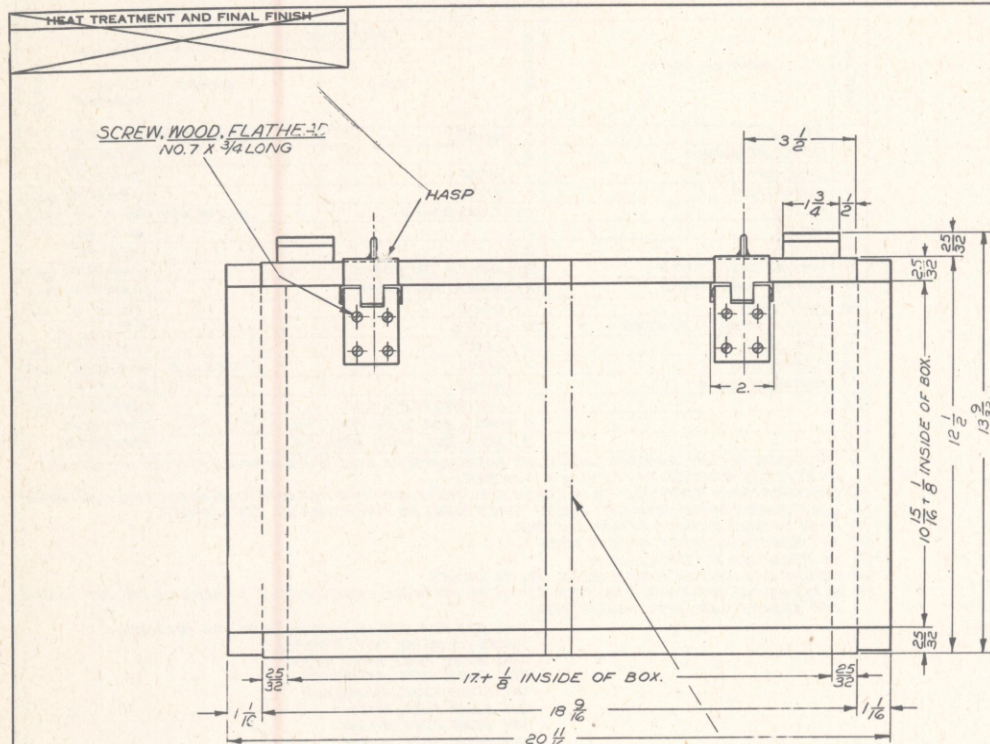
(f) WEIGHT 200 LBS PER 1000 SHEETS, 241.36 INCHES.

(g) ALTERNATIVE MATERIAL:- ROUNO STEEL WIRE NO 14 (08) GAGE, TENSILE STRENGTH-100,000 POUNDS PER SQUARE INCH, SPEC J-AN-P-106(A)

THIS BOX FOR USE IN PACKING 9 OF THE FOLLOWING
FUZES (IN METAL CONTAINERS):-
TRAIL BOMB FUZE, AN-M100A2
TRAIL BOMB FUZE, AN-M101A2
TRAIL BOMB FUZE, AN-M102A2
TRAIL BOMB FUZE, M112A1
TRAIL BOMB FUZE, M113A1
TRAIL BOMB FUZE, M114A1
TRAIL BOMB FUZE, M115
TRAIL BOMB FUZE, M116
TRAIL BOMB FUZE, M117
TRAIL BOMB FUZE, M160
TRAIL BOMB FUZE, M161
TRAIL BOMB FUZE, M162

BOX, PACKING, AMMUNITION, FOR TAIL BOMB
FUZES. ASSEMBLY, DETAILS AND PACKING.

HEAT TREATMENT & PROTECTIVE FINISH		CLASS		DIVISION		Drawing No.																
		76		16		416																
PHYSICAL PROPERTIES		DRAWING PERTAINING TO																				
SP	PL	TENSILE																				
Y	SK	HARDNESS																				
EL	WEL	CORROSION																				
ORIGINAL DATE OF DRAWING		REVISIONS																				
MAY 22, 1944		<table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>REVISION</th> <th>BY</th> <th>CHK</th> </tr> <tr> <td>2</td> <td>8-15-45</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>3-23-48</td> <td></td> <td></td> <td></td> </tr> </table>						NO.	DATE	REVISION	BY	CHK	2	8-15-45				3	3-23-48			
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3	3-23-48																					
		WEIGHT		GROSS WT.		APPLY. WT.																
		SCALE		DE		TOL. PER IN.																
		TOLERANCES ON DIMENSIONS		GRB		L. M.																
		(OTHER THAN DECIMAL INCHES OF INCH)		1/16" 1/32" 1/64"		R. B.																
		SURFACES		ME		BUREAU																
		MATERIAL		ORD. ENGR.		J. H. B.																
		EXAMINED		C. R. D.		J. H. B.																
		APPROVED		COL.		J. H. B.																
		SIGNATURE		J. H. B.		J. H. B.																
		DATE		J. H. B.		J. H. B.																
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		CHK		J. H. B.		J. H. B.																
		DATE		J. H. B.		J. H. B.																
		BY		J. H. B.		J. H. B.																
		CHK																				



LOCATION OF STRAPPING TO BE APPLIED AFTER PACKING.

ASSEMBLY

CONNECTOR
2 1/2 INCH FOR STRAPPING

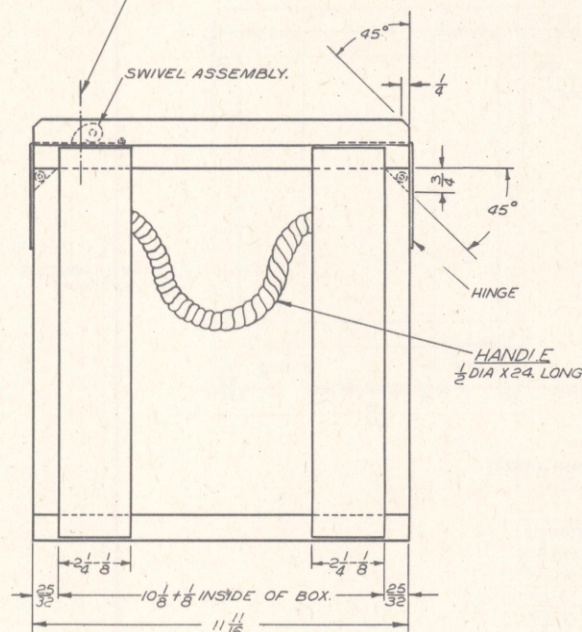
SEAL CAR
1/2 INCH

SEAL CAR
1/2 INCH

STRAPPING
1/2 INCH

MARKING INSTRUCTIONS
THE BOX SHALL BE MARKED IN ACCORDANCE WITH DRAWING 20-4-613.
THE ICC NOMENCLATURE TO BE APPLIED SHALL BE "HIGH EXPLOSIVES-DANGEROUS."
THE DESCRIPTIVE NOMENCLATURE OF THE ITEM PACKED SHALL BE "1 CHARGE SHAPED 40 LB M3."
THE CUBICAL DISPLACEMENT SHALL BE "1.85."
THE ATC SYMBOL SHALL BE "RTEVA"

CL OF SWIVEL LOCATE SO THAT HASP PASSES TIGHTLY OVER SWIVEL.



(e) PACKING INSTRUCTIONS
WITH SUPPORT ASSEMBLY OVER NECK OF SHAPED CHARGE, INSERT IN BOX. PLACE ONE OR MORE FILLERS IN ENDS OF BOX AS REQUIRED TO PACK CONTENTS TIGHTLY. ANY ADDITIONAL WSS OR WFS FIBERBOARD MATERIAL NECESSARY TO PRODUCE TIGHT PACKING WILL BE ADDED ALONG THE SIDES AND TOP.

LINE NO.	PART	POUNDS
1	BOX WITH SUPPORT ASSEMBLY (EMPTY)	20.00
2	CHARGE	43.48
3	FILLER, CONNECTOR, STRAPPING, ETC.	1.52
4		
5		
6	TOTAL	65.00

LINE NO.	LIST OF DRAWINGS	DRAWING NUMBER
1	ASSEMBLY	76-16-430
2	DETAILS	76-16-431
3	DETAILS	76-0-46
4		
5		

FOR CLOSING, SEALING AND STRAPPING INSTRUCTIONS, SEE DWG 20-4-613.

LIST OF PARTS

LINE NO.	NAME OF PART	NO. REQ'D	MATERIAL	DRAWING OR SPEC NUMBER	REMARKS
1	ASSEMBLY	1	WOOD	A, TYPE II, STYLE 4	50-62-4 (m)
2	SUPPORT ASSEMBLY	1			(g)
3	SWIVEL ASSEMBLY	2			76-0-46
4	CLEAT	2	WOOD		50-62-4 (g)
5	CONNECTOR	1	STEEL		COMMERCIAL (g)
6	CUSHION	1	HAIR FELT	TYPE I, C.B.	8-14 (g) (h)
7	FILLER	(e)	FIBERBOARD	WSS OR WFS JAN-P-106 (g) (i)	
8	HANDLE	2	JUTE ROPE	TYPE I OR II	T-R-592 (g)
9	HASP	2			76-0-46
10	HINGE	2			76-0-46
11	SCREW, WOOD, FLATHEAD	32	STEEL		FF-S-III
12	SEAL CAR	2	LEAD		COMMERCIAL (g)
13	SPACER	2	WOOD		50-62-4 (g)
14	STRAPPING	1	STEEL	TYPE I, C	QQ-S-78 (g) (k)
15	SUPPORT	1	WOOD		50-62-4 (g)
16					
17	SUPPORT, CENTERING	1	DOUGLAS-FIR PLYWOOD (K)	INDUSTRIAL JAN-P-66 (g)	
18			GLUE	II	3-102 (g)
19			NAILS, BOX, STEEL WIRE, 6d		COMMERCIAL
20			NAILS, BOX, STEEL WIRE, 4d		COMMERCIAL

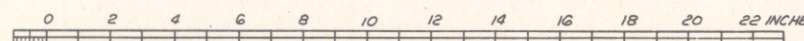
* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER.
(a) SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LIST HEREON, SHALL NOT APPLY.
(b) NOT REQUIRED WHEN WIRE IS USED.
(c) ALTERNATIVE MATERIAL: ROUND STEEL WIRE NO. 14 GAGE (.08), TENSILE STRENGTH = 100,000 POUNDS PER SQUARE INCH, SPEC JAN-P-106 (g).
(d) UNLESS OTHERWISE SPECIFIED THESE PARTS SHALL BE FURNISHED BY THE LOADER.
(f) ALTERNATIVE MATERIAL: SOLID WATER RESISTANT COMPOSITION BOARD, TYPE I, 1/2 THICK, SPEC AXS-1623.
(g) TO BE FURNISHED LOOSE WITHIN BOX.
(h) ALTERNATIVE MATERIAL: PRESSED FELT, NO. 10 OR 10 1/2, SPEC 8-15 (g).
(i) MOISTURE RESISTANT.
(k) ALTERNATIVE MATERIALS ARE INTENDED TO BE USED ONLY WHEN PRESCRIBED MATERIALS ARE NOT AVAILABLE.
(m) SECURE CLEATS TO ENDS WITH 7d NAILS.

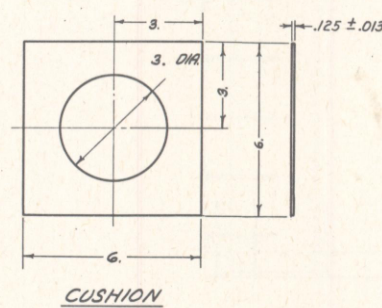
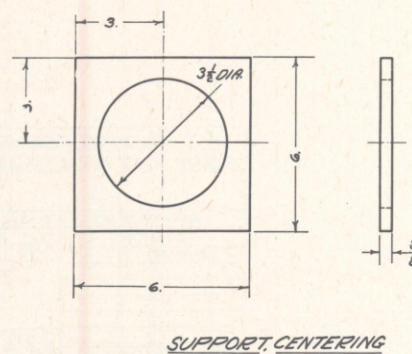
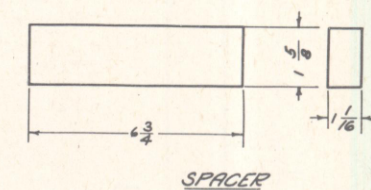
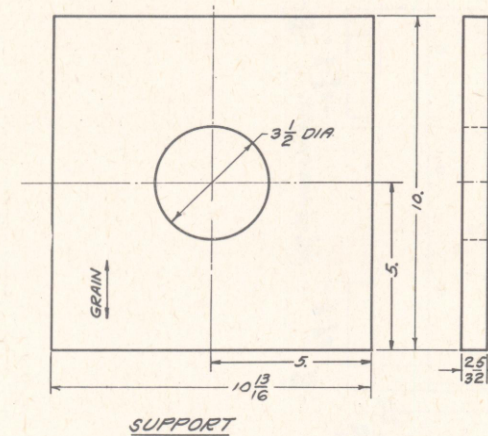
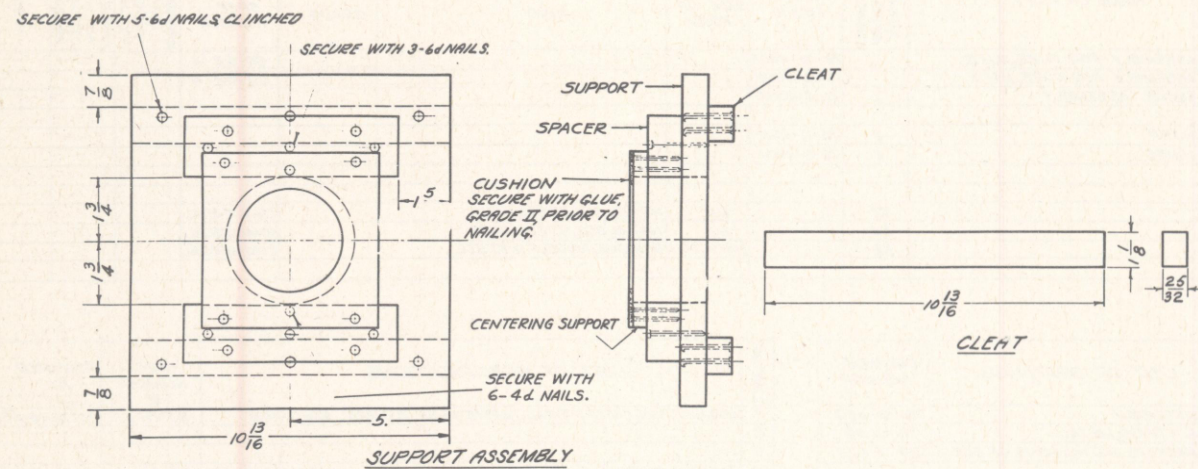
NOTICE: THIS DRAWING SHALL NOT BE USED NOR REPRODUCED EITHER WHOLLY OR IN PART EXCEPT WHEN AUTHORIZED IN CONNECTION WITH UNITED STATES GOVERNMENT PROCUREMENT.

BOX, PACKING, AMMUNITION, FOR CHARGE, SHAPED, 40 LB, M3. ASSEMBLY, DETAILS & PACKING.

NOVEMBER 16, 1944	CLASS	DIVISION	DRAWING	FILE
1 8-15-45	76	16	430	
2 2-7-49				
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED				
DECIMAL 2				
FRACTIONAL 2				
ANGULAR 2				
DRG. PERTAINS TO				
CHECKER	FCB	FCB	FCB	ENGINEER
ACJ				TRACER
SUBMITTED				
EXAMINED				
APPROVED BY ORDER OF 1 ST OF ORDNANCE				
COL., ORG. DEPT. U.S.A.				
D				
ORDNANCE DEPT. U.S.A.				

SUPERSEDES 20-4-511 AND 76-16-430 WITH CHANGE FEB 7, 1945



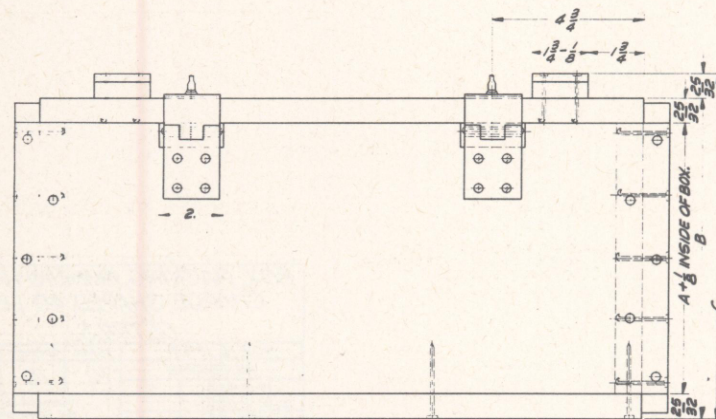


SCALE, INCHES, 1/2

BOX, PACKING, AMMUNITION, FOR
CHARGE, SHAPED, 40 LB, M3.

DETAILS.

NOV 16, 1944	CLASS	DIVISION	DRAWING	FILE
REVISIONS	76	16	431	
1 8-15-45				
2 2-7-49				
3 10-19-49				
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED				
DECIMAL ±				
FRACTIONAL ±				
ANGULAR ±				
DRG. PERTAINS TO				
76-16-431				
OFFSEMAN D.R.M.				
CHECKED W.R.M.				
SUBMITTED: C.R. [Signature]				
EXAMINED: M.L. Adams ORD. DEPT. U.S.A.				
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE: M.L. Adams COL. ORD. DEPT. U.S.A.				
ORDNANCE DEPT., U.S.A.				



ASSEMBLY (SEE TABLE)
WOOD

PIECEMARK	FOR FUZE	A	B	C	D
76-16-450A	M158	9 $\frac{1}{2}$	10 $\frac{1}{16}$	11 $\frac{18}{32}$	10 $\frac{1}{2}$
76-16-450B	M159	8 $\frac{1}{2}$	9 $\frac{1}{16}$	10 $\frac{18}{32}$	9 $\frac{1}{2}$

LINE NO.	LIST OF SPECIFICATIONS	SPEC. NUMBER	REQUIRED BY
1	AMMUNITION, EXCEPT SMALL ARMS AMM., GENERAL SPEC. FOR	50-0-1	DRG. 76-16-450
2			
3			
4	PACKING BOXES AND CRATES, ARTILLERY AMM. AND BOMBS, WOOD	50-62-4	DRG. 76-16-450
5			
6			
7			

THIS BOX FOR USE IN PACKING 30 FUZES, BOMB,
NOSE, M158 OR M159, IN METAL CONTAINERS.

BOX, PACKING, FOR FUZE, NOSE BOMB, M158 OR M159. ASSEMBLY.						
MAY 9, 1945			CLASS	DIVISION	DRAWING	FILE
REVISONS			76	16	450	
1	2-14-48		TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED			
			DECIMAL :			
			FRACTIONAL :			
			ANGULAR :			
DRG. PERTAINS TO			1. FIGURE: 94.3 B 2. PART: B 3. NAME: S.M. SPECIAL: L.A.M.F. RMD S.S. MEET M.T. SUBMITTED: <i>schram jr.</i> 1ST LT., ORD DEPT. U.S.A.			
			EXAMINED: <i>A.D. Thayer</i> ORD DEPT. U.S.A.			
			APPROVED BY ORDER OF THE CHIEF OF ORDNANCE: <i>miles winge</i> COL., ORD DEPT. U.S.A.			
D			ORDNANCE DEPT. U. S. A.			

SUPERSEDED BY 76-1-1215 AND 76-1-1216 WITH CHANGE APRIL 20, 1949

LIST OF PARTS									
LINE NO.	NAME OF PART	NUMBER READER COMPONENT	PIECE- MARK	MATERIAL			SPEC. NUMBER	APPROX. UNIT WEIGHT (POUNDS)	REMARKS
				SIZE OR FORM	KIND	GRADE			
1	ASSEMBLY		76-17-21A				AXS-1329	8.75	
2									
3	BASE, CRATE	1	76-17-22A	SHEET	STEEL	WD1010 TO WD1030	57-136		
4	COVER, CRATE	1	76-17-23A	SHEET	STEEL	WD1010 TO WD1030	57-136		
5	HINGE	2	76-17-24E	STRIP	STEEL	COMMERCIAL	57-136		
6	POST, CORNER	4	76-17-24F	STRIP	STEEL	WD1010 TO WD1030	57-136		
7	RIVET	8	76-17-24G	ROD	STEEL	COMMERCIAL	57-136		(C)
8	SUPPORT, BRACE CORNER	2	76-17-24H	STRIP	STEEL	WD1010 TO WD1030	57-136		
9	HANDLE	1	76-17-24K	STRIP	STEEL	WD1010 TO WD1030	57-136		
10	STRAP, HANDLE	2	76-17-24L	STRIP	SPRING STEEL	WD1065	57-136		
11	SPRING CATCH	2	76-17-24C	STRIP	SPRING STEEL	WD1075	57-136		(B)
12	HINGE SPRING CATCH	2	76-17-24D	STRIP	STEEL	WD1010 TO WD1030	57-136		
13	SUPPORT MINE	2	76-17-24A	STRIP	STEEL	WD1010 TO WD1030	57-136		
14	SUPPORT MINE	2	76-17-24B	STRIP	STEEL	WD1010 TO WD1030	57-136		
15									
16					ENAMEL, RUST INHIBITING, OLIVE DRAB		3-181		(d) (d)
17									
18									
19									

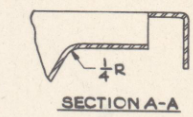
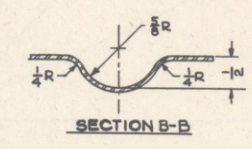
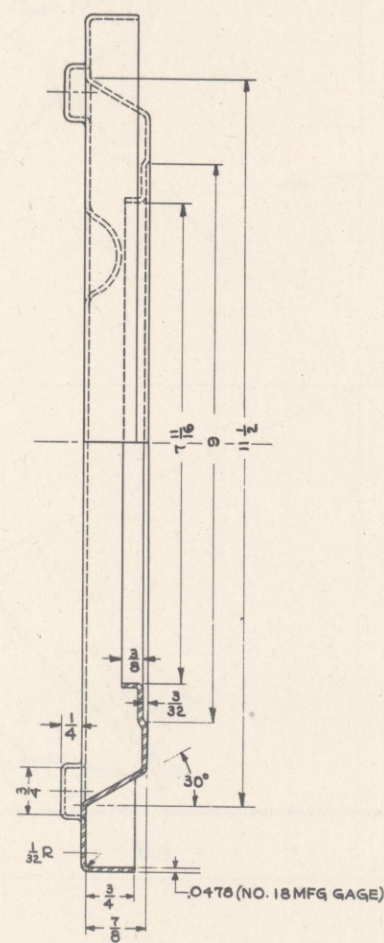
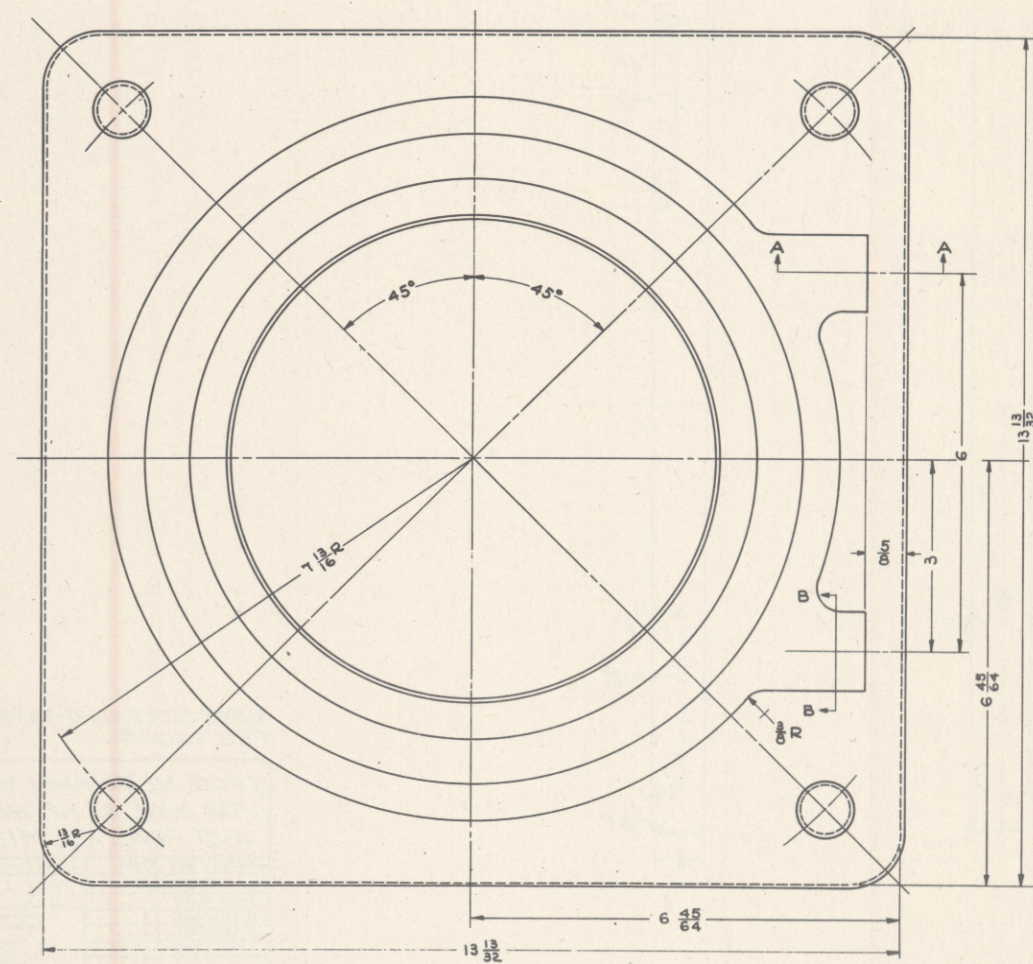
- (a) - ALTERNATIVE: - PRIMER SYNTHETIC, LACQUER RESISTING, SPEC. JAN-72, PLUS ENAMEL, OLIVE DRAB, GRADE I, SPEC. JAN-E-74, OR LAC-
QUER ENAMEL, OLIVE DRAB, GRADE I, SPEC. JAN-L-73.
(b) - ALTERNATIVE: - SPRING STEEL, WD1065 OR S.A.E. 1075.
(c) - ALTERNATIVE: - FLAT HEAD RIVET OR SEMI-TUBULAR RIVET, COMMERCIAL.
(d) - USED WITH PHOSPHATE COATING TYPE II, CLASS C, SPEC. 57-0-2,
(SEE NOTE-A ON 76-17-21)

LINE NO.	LIST OF SPECIFICATIONS	SPEC. NUMBER *	REQUIRED BY
1	AMMUNITION, EXCEPT SMALL ARMS AMM. GENERAL SPEC. FOR	50-0-1	DRG. 76-17-21
2	ENAMEL, LUSTRELESS, QUICK-DRYING	JAN-E-74	DRG. 76-17-21
3	LACQUER ENAMEL, LUSTRELESS,	JAN-L-73	DRG. 76-17-21
4	ENAMEL, OLIVE DRAB, RUST INHIBITING	3-181	DRG. 76-17-21
5	FINISHES, PROTECTIVE, FOR IRON AND STEEL PARTS	57-0-2	DRG. 76-17-21
6	METALS, GENERAL SPECIFICATION FOR INSPECTION OF	QQ-M-131	57-136
7	PAINTS AND RELATED MATERIALS, GENERAL SPECIFICATION FOR	3-1	JAN-L-73
8	STEEL, CARBON AND ALLOY, SHEETS AND STRIPS	57-136	DRG. 76-17-24
9	PRIMER, SYNTHETIC, LACQUER RESISTING, FOR AMMUNITION	JAN-P-72	DRG. 76-17-24
10	GENERAL SPECIFICATION FOR PACKING	100-14	DRG. 76-17-24
11	MINE, CRATE, METAL, AMM, M153A1, FOR MINE AT, HE, M6A1, & PRAC, M12	AXS-1329	DRG. 76-17-21
12	CLEANING AND PREPARATION OF METAL SURFACES FOR ORGANIC PROT. COATING	AXS-1245	DRG. 76-17-21
13			
14			

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER. SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON SHALL NOT APPLY.

WITH 76-17-21, SUPERSEDES
76-17-21, WITH CHANGE, FEB. 21, 1945

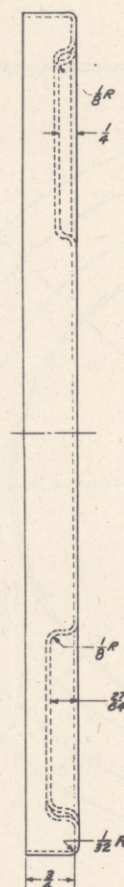
CRATE, METAL, AMM, MINE, M153A1 FOR MINE, AT, HE, HEAVY, M6A1 AND PRACTICE, M12 LIST OF PARTS AND LIST OF SPECS.			
FEBRUARY 21, 1945		CLASS	DIVISION
REVISIONS		76	17
1	8-15-45	21A	
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED			
DECIMAL ±			
FRACTIONAL ±			
ANGULAR ±			
DRG. PERTAINS TO			
DESIGNED BY		O.O. K.L.M.	
CHECKED BY		HEAD ENGINEER	
SUBMITTED BY		Amgallagh	
EXAMINED BY		R.C. Walling	
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE		C.S. Reed	
76-17-21		COL., ORD. DEPT. U.S.A.	
D		ORDNANCE DEPT., U.S.A.	



BASE, CRATE 76-17-22A5
 STEEL, WD 1010 TO WD 1020 CR OR HR P & O
 DEEP DRAWING STOCK.

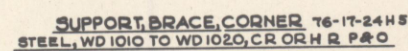
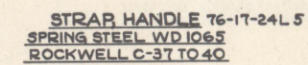
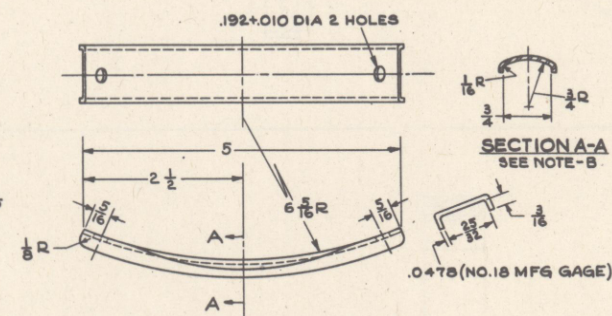
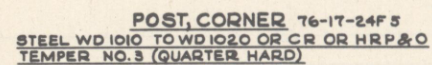
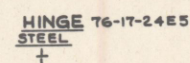
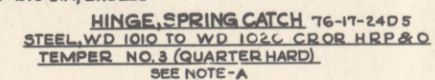
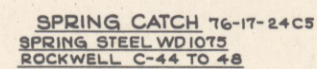
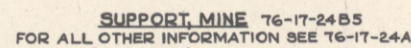
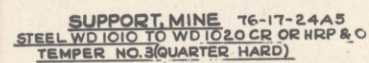
SUPERSEDES 76-17-22 WITH CHANGE
 FEB 21, 1945

CRATE, METAL, AMM, MINE M153A1 FOR MINE, AT, HE, HEAVY M6A1 & PRACTICE M12 DETAILS			
MARCH 20, 1944	CLASS	DIVISION	DRAWING
76	17	22	
REVISIONS			
4	2-21-45		
5	8-15-45		
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED			
DECIMAL ± .010			
FRACTIONAL ± 1/32			
ANGULAR ± 10'			
DRG. PERTAINS TO			
SUBMITTED			
A. M. Gallagher			
EXAMINED			
R. C. Walling			
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE			
C. S. Reed			
76-17-21	ORDNANCE DEPT., U. S. A.		



CRATE, METAL, AMM, MINE, M153AI
FOR MINE, AT, HE, HEAVY, M6AI
AND PRACTICE, M12. DETAILS

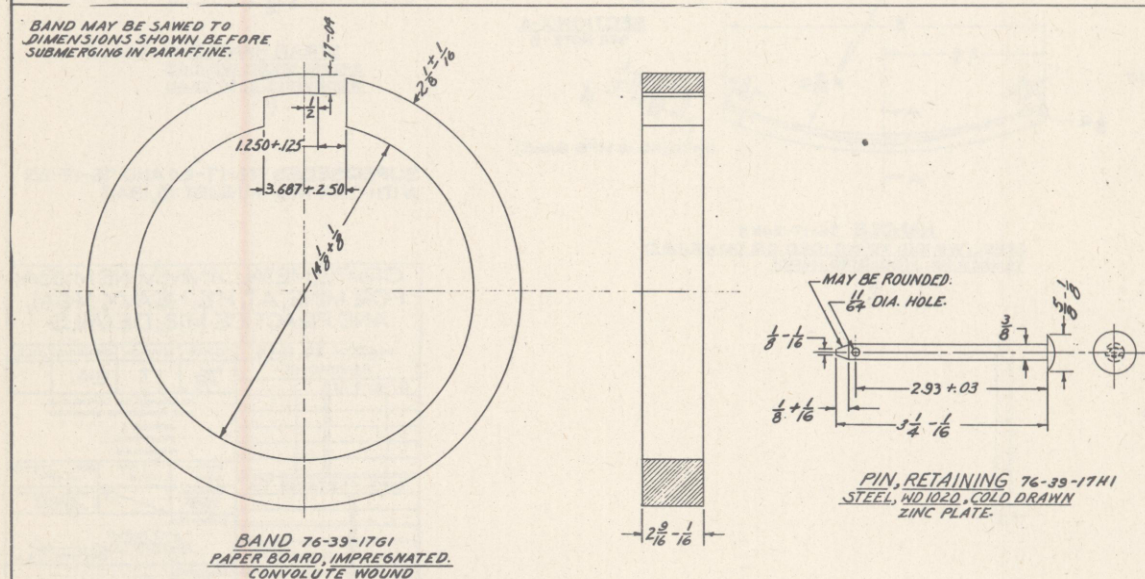
MARCH 20, 1944		CLASS	DIVISION	DRAWING	FILE
REVISONS		76	17	23	
3	11-4-44	TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED DECIMAL 3.0/0 FRACTIONAL 1/64 ANGULAR 1° 0'			
4	2-2-45				
5	8-15-45				
		DTTSMAN	TRACER	ENGINEER	
		ALB	ALB	[Signature]	
		CHECKER		[Signature]	
		0-2-45	0	[Signature]	
DRG. PERTAINS TO		SUBMITTED:			
		R. M. Gallagher			
		[Signature] 17-23 DRD. DEPT. U.S.A.			
		EXAMINED:			
		R. C. Walling			
		CHD. SECT. U.S.A.			
		APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:			
		C. S. Reed by [Signature]			
		[Signature] COL. DEPT. U.S.A.			
76-17-21		ORDNANCE DEPT. U.S.A.			



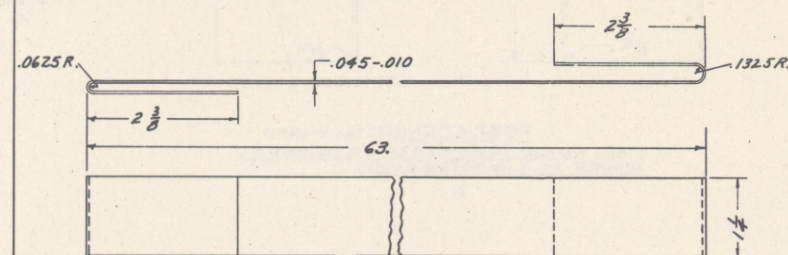
NOTES:

- A - HINGE MUST WORK FREELY AND WITHOUT PERCEPTIBLE LOOSENESS.
- B - BLEND INTO SQUARE SECTION $\frac{3}{4}$ FROM EACH END.
- C - REMOVE ALL BURRS.

CRATE, METAL, .AMM, MINE, M153AI					
FOR MINE, A T, H E, HEAVY, M6AI,					
AND PRACTICE M12, DETAILS					
MARCH 20, 1944		CLASS	DIVISION	DRAWING	FILE
REVISIONS		76	17	24	
5	6-15-45	TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED			
		DECIMAL 2			
		FRACTIONAL 2			
		ANGULAR 2			
DRG. PERTAINS TO		DIFFERENTIAL A-F-A	TRACER A-F-M	ORD.	ENGINEER
		CHECKER <i>MM</i>	60°	HEAD	ENGINEER
		SUBMITTED: <i>W. S. Stevenson</i> ORD. DEPT. U. S. A.			
		EXAMINED: <i>W. S. Stevenson</i> ORD. DEPT. U. S. A.			
		APPROVED BY ORDER OF THE CHIEF OF ORDNANCE. <i>W. S. Stevenson</i> ORD. DEPT. U. S. A.			
76-17-21		ORDNANCE DEPT., U. S. A.			
D		ORDNANCE DEPT., U. S. A.			



AFTER WINDING RING, ALLOW TO AGE FOR 7 DAYS MIN. (ADVISORY ONLY).
SUBMERGE IN PARAFFIN AT A TEMPERATURE OF 250°F. TO 260°F.
FOR A MAXIMUM OF 30 MIN. OR A MINIMUM OF 20 MIN. SAW TO DIMENSIONS
SHOWN WHEN SUFFICIENTLY COOL. (ABOUT 130°F. OR LESS).
COAT ALL SURFACES WITH OLIVE DRAB ENAMEL (OPTIONAL).



(a) STRAPPING 76-39-17K1
STEEL, TYPE, CLASS A.

(a) COAT ALL SURFACES FIRST WITH PRIMER, SYNTHETIC, LACQUER-RESISTING; THEN WITH OLIVE DRAB LACQUER ENAMEL OR OLIVE DRAB ENAMEL.

(b) IF 76-39-17K1 IS APPLIED TO STEEL, A SOLID POLYMER CUT-BACK ASPHALT OR QUAL PERMITTED AS ADDITIVE TO PARAFFINE, WHEN USED, TIME OF IMPREGNATION MAY BE INCREASED TO 6 HOURS MAX AT 225° F. TO 275° F.

(c) WHEN SLUVE IS USED IN LOCK AND LOCK ASSEMBLY, PAPER BOARD TO BE IMPREGNATED AFTER ASSEMBLY.

REMOVE ALL BURRS.

SCALE, INCHES:- $\frac{.375}{1}$; $\frac{1}{1}$

BAND SHIPPING FOR BOMBS. 500LB. G.P. AN-M43 G.P. AN-M54A1. INCENDIARY AN-M78 & CHEM. AN-W78. ASSEMBLY & DETAILS.					
MARCH 8, 1943		CLASS	DIVISION	DRAWING	FILE
REVISIONS		76. 39 17			
1	10-8-43				
2	4-7-44				
3	6-5-44				
4	8-15-45				
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIF ED					
DECIMAL 1					
FRACTIONAL 2					
ANGULAR 1					
DRG. PERTAINS TO		DFTSMAN	TRACER WVG	ENGINEER GC	
		CHECKER NWF	OR ENGINEER SPB		
SUBMITTED: Angallagh MAJ. OTT					
EXAMINED: N. S. Bookman					
ORD. DEPT. U. S. A.					
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE: S. B. Minkling COL. ORG. ACFT. U. S. A.					
D		ORDNANCE DEPT. U. S. A.			

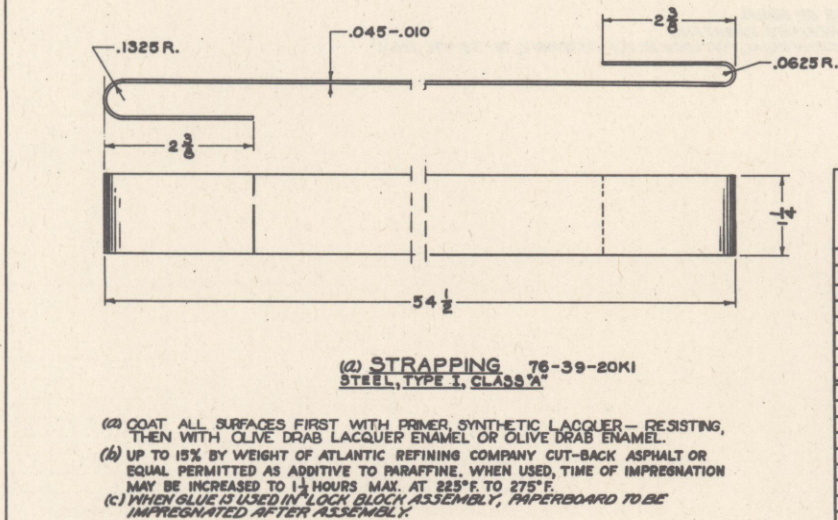
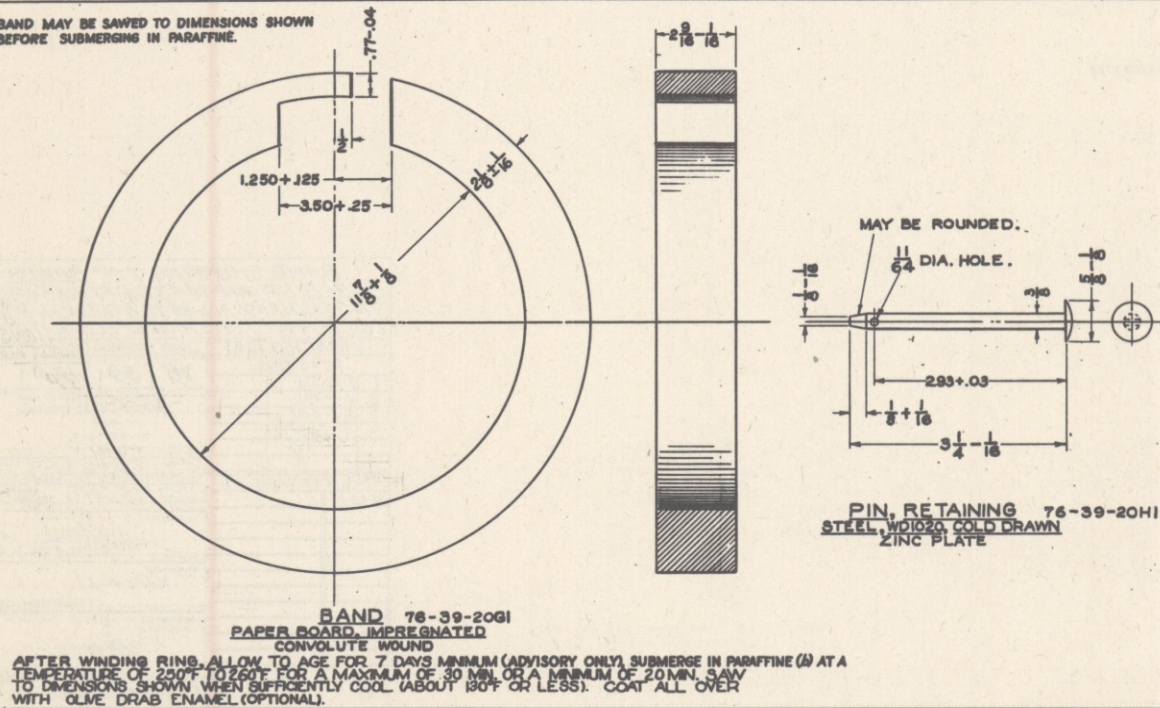
LIST OF PARTS										
LINE NUMBER	NAME OF PART	NUMBER REQUIRED PER COMPONENT	PIECE-MARK	MATERIAL				APPROXIMATE UNIT WEIGHT (POUNDS)	APPROX. GROSS WEIGHT PER 1000 ASSEMBLIES	REMARKS
				SIZE OR FORM	KIND	GRADE	SPEC. NUMBER			
1	ASSEMBLY		76-39-17A				50-84-5			
2	LOCK BLOCK ASSEMBLY		76-39-17L							
3	BAND	1	76-39-17G	ROLL	(a)					
4	BLOCK, LOCK	2	76-39-17E	SHEET	(b)					
5	CLIP, RETAINING, STRAPPING	5	76-39-17F	STRIP	STEEL	WD1020 TO WD1020	57-136			
6										
7	NAIL, RETAINING CLIP	5	76-39-17C	4d	STEEL WIRE		COMMERCIAL			
8	PIN, COTTER	1	76-39-17B	5/32 X 1 1/2	STEEL		COMMERCIAL			
9	PIN, RETAINING	1	76-39-17H	BAR	STEEL	WD1020	57-107			
10										
11	SHOE, CLAMPING	1	76-39-17D	SHEET	STEEL	WD1010 OR WD1015	57-136			
12	STRAPPING	1	76-39-17K	STRIP	STEEL	TYPE I, CLASS A	00-S-781			(c)
13										
14					ATLANTIC REFINING CO. CUT-BACK ASPHALT OR EQUAL		COMMERCIAL			
15					GLUE, WATERPROOF		COMMERCIAL			(d) (f)
16					PRIMER, SYNTHETIC, LACQUER-RESISTING		3-183			
17					PARAFFIN	122°-140°F	COMMERCIAL			(e)
18					OLIVE DRAB ENAMEL	I	3-67			
19					OLIVE DRAB LACQUER ENAMEL	I	3-162			
20										
21										
22										
23										

(a) STANDARD JUTE LINER, MULLEN TEST 70 LBS. MIN; THICKNESS .018±.002; WEIGHT 3.8 LBS. PER POINT. TO BE HARD SIZED USING STANDARD PAPERMAKERS ALUM AND ROSIN SIZE. WOUND CONVOLUTELY FROM A CONTINUOUS STRIP WITH A WATERPROOF ADHESIVE BETWEEN EACH LAYER.
 (b) STANDARD SINGLE JUTE-LINED CHIP OR EQUIVALENT. THICKNESS .225±.020; WEIGHT 3 1/4 LBS. PER POINT MIN. TO BE HARD SIZED USING STANDARD PAPERMAKERS ALUM AND ROSIN SIZE.
 (c) ROCKWELL HARDNESS NOMINAL 'B' 93 TO 105.
 (d) FINDLEY GLUE CO. WATERPROOF GLUE NO. 718 OR EQUAL.
 (e) 122°-140°F MELTING POINT (ASTM METHOD) REFINED PARAFFIN.
 (f) ALTERNATIVE MATERIAL:— WIRE STAPLE, COMMERCIAL, FOR LOCK BLOCK ASSEMBLY, 76-39-17L ONLY.

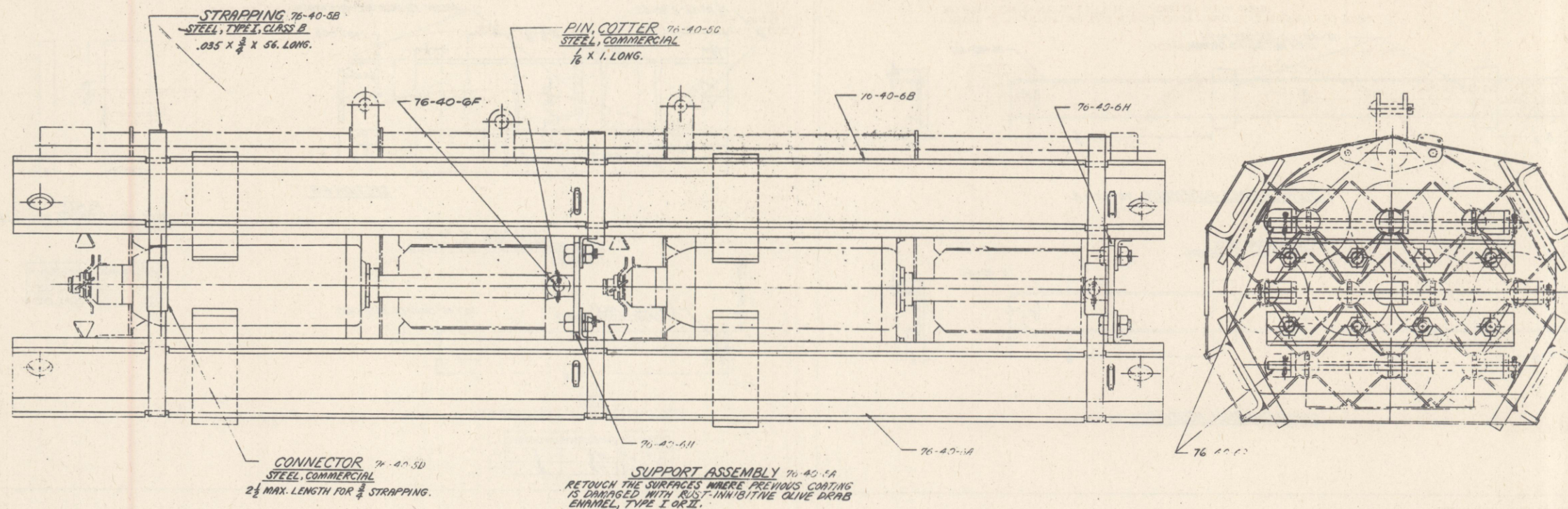
LINE NO.	LIST OF SPECIFICATIONS	SPEC. NUMBER	REQUIRED BY
1	AMMUNITION, EXCEPT SMALL ARMS AMMUNITION, GENERAL SPEC. FOR	50-0-1	DRG. 76-39-17
2	BANDS, SHIPPING, FOR BOMBS	50-84-5	DRG. 76-39-17
3			
4	ENAMEL, LUSTRELESS, QUICK DRYING, FOR AMMUNITION	3-67	DRG. 76-39-17
5			
6	METALS, GENERAL SPEC. FOR INSPECTION OF	QQ-M-151	57-136
7	LACQUER ENAMEL, LUSTRELESS, FOR AMM.	3-162	DRG. 76-39-17
8	PRINTS AND RELATED MATERIALS, GENERAL SPEC. FOR	3-1	3-67
9	STEEL, CARBON AND ALLOY, BARS	57-107	DRG. 76-39-17
10	STEEL, CARBON AND ALLOY, SHEETS AND STRIPS	57-136	DRG. 76-39-17
11	PRIMER, SYNTHETIC, LACQUER-RESISTING	3-183	DRG. 76-39-17
12	STRAPPING, FLAT, STEEL	QQ-S-781	DRG. 76-39-17
13			
14			
15			

*THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER. SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

BAND, SHIPPING, FOR BOMBS, 500 LB. G.P. AN-M43, G.P. AN-M64A1, INCENDIARY, AN-M76 & CHEM. AN-M78 LIST OF PARTS & LIST OF SPECIFICATIONS			
MARCH 8, 1943			
CLASS	DIVISION	DRAWING	FILE
76	39	17A	
REVISIONS			
1	10-8-43		
2	4-7-44		
3	6-5-44		
4	8-15-45		
TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED			
DECIMAL ±			
FRACTIONAL ±			
ANGULAR ±			
DESIGNED BY	CHECKED	TRACED	ENGINEER
T.W.R.	NWF	T.W.R.	QTY
DRG. PERTAINS TO			
76-39-17			
SUBMITTED			
EXAMINED			
ORD. DEPT. U.S.A.			
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE			
COL., ORD. DEPT. U.S.A.			
ORDNANCE DEPT., U.S.A.			



BAND, SHIPPING, FOR BOMB, S.A.P., 500 LB., AN-M58A2. ASSEMBLY AND DETAIL S.					
APRIL 14, 1943		CLASS	DIVISION	DRAWING	FILE
REVISIONS		76	39	20	
1	10-6-43	TOLERANCE ON DIMENSIONS NOT OTHERWISE SPECIFIED DECIMAL 2 FRACTIONAL 2 ANGULAR 2			
2	4-7-44				
DRG. PERTAINS TO		DTTMAN	RECD G.E.D.F.	DESIGNER	
		CHECKER NWF	60	DESIGN ENGINEER	
		SUBMITTED: <i>Amgallegh</i> M.A.D., OFF. DET. U.S.A.			
		EXAMINED: <i>H.P. Beckman</i> ORD. DEPT. U.S.A.			
		APPROVED BY ORDER OF THE CHIEF OF ORDNANCE: <i>[Signature]</i> COL., ORD. DEPT. U.S.A.			
D		ORDNANCE DEPT. U.S.A.			



LIST OF PARTS

LINE NO.	NAME OF PART	NUMBER PER COMPONENT	PIECE-MARK	SIZE OR FORM	MATERIAL	GRADE	SPEC. NUMBER	APPROXIMATE UNIT WEIGHT (POUNDS)	APPROX. GROSS WEIGHT PER UNIT ASSEMBLED	REMARKS
1	SUPPORT ASSEMBLY		76-40-5A							
2	HOLDING PLATE ASSEMBLY		76-40-5H							(a)
3	CHANNEL ASSEMBLY		76-40-5B							(a)
4	OFFER CHANNEL ASSEMBLY		76-40-5C							(a)
5										
6	BOLT, HEX. HEAD	16	76-40-5D	1/2-13 THD.	STEEL, COLD-DRAWN	ND 1010 OR 1020	57-107			(c)
7	CHANNEL	4	76-40-5E	SHEET	STEEL, NOT-ROLLED, PICKLED	ND 1010 OR 1020	57-136			
8	CONNECTOR	3	76-40-5F	STRIP	STEEL		COMMERCIAL			
9										
10	NUT, HEX.	16	76-40-5G	1/2-13 THD.	STEEL, COLD-DRAWN	ND 1010 OR 1020	57-107			(c)
11	PIN, COTTER	12	76-40-5H		STEEL		COMMERCIAL			(b)
12	PLATE	4	76-40-5I	BAR	STEEL, NOT-ROLLED, PICKLED	ND 1010 OR 1020	57-107			
13	PLATE	4	76-40-5J	BAR	STEEL, NOT-ROLLED, PICKLED	ND 1010 OR 1020	57-107			
14	PLATE, END	2	76-40-5K	SHEET	STEEL, NOT-ROLLED, PICKLED	ND 1010 OR 1020	57-136			
15	PLATE, HOLDING	2	76-40-5L	SHEET	STEEL, NOT-ROLLED, PICKLED	ND 1010 OR 1020	57-136			
16										
17	ROD	4	76-40-5M	BAR	STEEL, COLD-DRAWN	ND 1010 OR 1020	57-107			(a)
18	ROD	2	76-40-5N	BAR	STEEL, COLD-DRAWN	ND 1010 OR 1020	57-107			(a)
19	STIFFENER, HOLDING PLATE	4	76-40-5O	STRIP	STEEL, NOT-ROLLED, PICKLED	ND 1010 OR 1020	57-136			
20	STRAPPING	3	76-40-5P	STRIP	STEEL		CLASS B			
21	WASHER, LOCK	16	76-40-5Q	1/2-STD.	STEEL		COMMERCIAL			(c)
22					ENAMEL, OLIVE DRAB		TYPE I OR II			

- (a) CLEAN ALL SURFACES IN ACCORDANCE WITH GRADE I, SPEC. ANS-1245, FOLLOWED BY ONE COAT OF RUST-INHIBITIVE OLIVE DRAB ENAMEL, TYPE I OR II.
- (b) PROTECT ALL SURFACES - TYPE I, CLASS TS, RS OR RSC, SPEC. 57-0-2.
- (c) NOT REQUIRED WHEN HOLDING PLATE STIFFENERS ARE WELDED TO HOLDING PLATE.

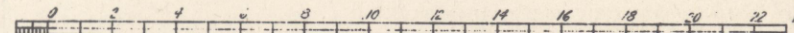
LIST OF SPECIFICATIONS

LINE NO.	SPEC. NUMBER	REQUIRED BY
1	AMMUNITION, EXCEPT SMALL ARMS AMM., GEN. SPEC. FOR	50-0-1
2	CLEANING AND PREPARATION OF METAL SURFACES, ETC.	AKS-1245
3	ENAMEL, OLIVE DRAB, RUST-INHIBITIVE	3-181
4	FINISHES, PROTECTIVE, FOR IRON AND STEEL PARTS	57-0-2
5		
6	METALS, GENERAL SPECIFICATION FOR INSPECTION OF	QQ-M-151
7		
8	PRINTS AND RELATED MATERIALS, GEN. SPEC. FOR INSP. ETC.	3-1
9		
10	STEEL, CARBON AND ALLOY, SHEETS AND STRIPS	57-136
11	STEEL, CARBON AND ALLOY, BARS	57-107
12		
13	STRAPPING, FLAT, STEEL	QQ-S-781
14		
15		
16		

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED A LETTER IS AFFIXED TO ITS BASIC NUMBER. SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

THIS SUPPORT ASSEMBLY FOR USE IN PACKING
1-CLUSTER FRAG. BOMB, T4E4 (500 LB. SIZE) OF
20-BOMBS, FRAG, 20 LB., AN-M41, OR
20-BOMBS, FRAG, 20 LB., M42 OR
20-BOMBS, FRAG, 20 LB., M48.

FOR STEEL DRUM, SEE DRG. 76-40-5.

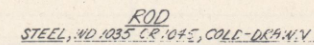
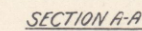
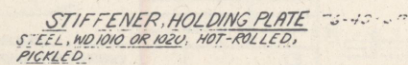
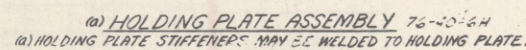
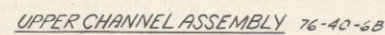
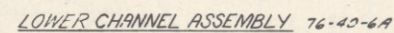


LIST OF DRAWINGS

LINE NO.	DRAWING NUMBER
1	SUPPORT ASSEMBLY
2	DETAILS
3	
4	

DRUM, STEEL, PACKING, FOR FRAG. BOMB CLUSTER, T4E4 (500 LB. SIZE) SUPPORT ASSEMBLY.

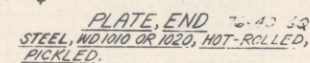
MARCH 13, 1945			
REVISIONS	CLASS	DIVISION	FILE
	76	40	5
SYMBOL			
OFFICER	TRACER	ENGINEER	
6978	6978	6978	
DRG. PERTAINS TO			
SUBMITTED			
EXAMINED			
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE			
ORDNANCE DEPT. U. S. A.			



PIECE/ARK	DIMENSION B	DIMENSION
76-40-6F	13 $\frac{3}{4}$	5
76-40-6S	11 $\frac{1}{2}$	5



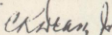
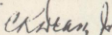
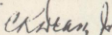
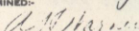
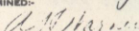
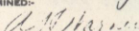
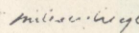
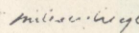
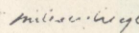
PIECEMARK	DIMENSION
70-40-6D	.625 ± .015
71-15-6E	.250 ± .015

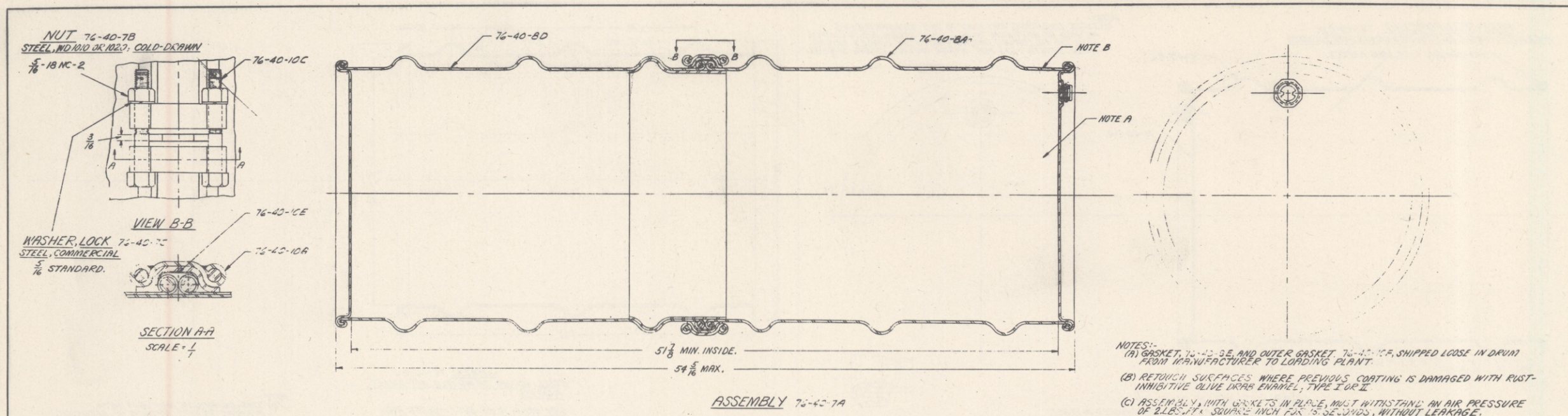


FOR PROTECTIVE FINISHES, SEE DRG. 4-5

REMOVE ALL BURRS.

SCALE, INCHES: $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, 1

DRUM STEEL, PACKING, FOR 177. 100A GLASSER, FE4, CHINA, 100A REPL. 100A												
<table border="1"> <tr> <td>CLASS</td> <td>DIVISION</td> <td>DRAWING</td> <td>FILE</td> </tr> <tr> <td>76</td> <td>40</td> <td>6</td> <td></td> </tr> </table>					CLASS	DIVISION	DRAWING	FILE	76	40	6	
CLASS	DIVISION	DRAWING	FILE									
76	40	6										
<table border="1"> <tr> <td colspan="4">SYMBOL</td> </tr> <tr> <td colspan="4"></td> </tr> </table>					SYMBOL							
SYMBOL												
<table border="1"> <tr> <td>D'PTEMAN</td> <td>TRACER</td> <td>ENGINEER</td> </tr> <tr> <td>5709</td> <td>5710</td> <td>2nd</td> </tr> </table>					D'PTEMAN	TRACER	ENGINEER	5709	5710	2nd		
D'PTEMAN	TRACER	ENGINEER										
5709	5710	2nd										
<table border="1"> <tr> <td>CHECKER</td> <td>CHECKER</td> <td>CHIEF D'PTEMAN</td> </tr> <tr> <td>(RAD)</td> <td>FHM 06</td> <td>NT.</td> </tr> </table>					CHECKER	CHECKER	CHIEF D'PTEMAN	(RAD)	FHM 06	NT.		
CHECKER	CHECKER	CHIEF D'PTEMAN										
(RAD)	FHM 06	NT.										
<table border="1"> <tr> <td colspan="4">SUBMITTED-</td> </tr> <tr> <td colspan="4">  </td> </tr> </table>					SUBMITTED-							
SUBMITTED-												
												
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EXAMINED-												
												
<table border="1"> <tr> <td colspan="4"> 177, ORD. DEPT. U. S. A. ORD. DEPT. U. S. A. </td> </tr> </table>					177, ORD. DEPT. U. S. A. ORD. DEPT. U. S. A.							
177, ORD. DEPT. U. S. A. ORD. DEPT. U. S. A.												
<table border="1"> <tr> <td colspan="4"> APPROVED BY ORDER OF THE CHIEF OF ORDNANCE-  </td> </tr> </table>					APPROVED BY ORDER OF THE CHIEF OF ORDNANCE- 							
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE- 												
<table border="1"> <tr> <td colspan="4"> COL., ORD. DEPT. U. S. A. </td> </tr> </table>					COL., ORD. DEPT. U. S. A.							
COL., ORD. DEPT. U. S. A.												
<table border="1"> <tr> <td colspan="4">ORDNANCE DEPT. U. S. A.</td> </tr> </table>					ORDNANCE DEPT. U. S. A.							
ORDNANCE DEPT. U. S. A.												



NOTES:
(A) GASKET, 76-40-9E, AND OUTER GASKET, 76-40-10F, SHIPPED LOOSE IN DRUM FROM MANUFACTURER TO LOADING PLANT.
(B) RETOUCH SURFACES WHERE PREVIOUS COATING IS DAMAGED WITH RUST-INHIBITIVE OLIVE DRAB ENAMEL, TYPE I OR II.
(C) ASSEMBLY, WITH GASKETS IN PLACE, MUST WITHSTAND AN AIR PRESSURE OF 2 LBS. PER SQUARE INCH FOR 15 SECONDS, WITHOUT LEAKAGE.

LIST OF PARTS

LINE NO.	NAME OF PART	NUMBER REQD PER COMPONENT	PIECE-MARK	SIZE OR FORM	MATERIAL	KIND	GRADE	SPEC. NUMBER	APPROXIMATE UNIT WEIGHT (POUNDS)	APPROX. GROSS WT. OF RAW STOCK PER 100 ASSEMBLIES	REMARKS
1	ASSEMBLY		76-40-7A								
2	CLOSING RING ASSEMBLY	2	76-40-10A								(C)
3	CLOSURE ASSEMBLY		76-40-9B								
4	FOOT ASSEMBLY		76-40-8D								(C)
5	FOOT ASSEMBLY (ALTERNATIVE)		76-40-8E								(C)
6	HEAD ASSEMBLY		76-40-8F								(C)
7	HEAD END ASSEMBLY		76-40-8A								(C)
8											
9	BOLT	4	76-40-10C	BAR	STEEL, COLD-DRAWN			ND 1010 OR 1020 57-107			(a)
10	END, FOOT	1	76-40-9D	SHEET	STEEL, HOT-ROLLED, PICKLED			ND 1010 OR 1020 57-136			
11	END, HEAD	1	76-40-9C	SHEET	STEEL, HOT-ROLLED, PICKLED			ND 1010 OR 1020 57-136			
12											
13	GASKET	1	76-40-9E	CORD	SYNTHETIC SPONGE RUBBER			COMMERCIAL			(b)
14	GASKET, OUTER	1	76-40-10F	CORD	SYNTHETIC SPONGE RUBBER			COMMERCIAL			(b)
15											
16	LUG	4	76-40-10B	STRIP	STEEL, HOT-ROLLED, PICKLED			ND 1010 OR 1020 57-136			
17	NUT	4	76-40-7B	BAR	STEEL, COLD-DRAWN			ND 1010 OR 1020 57-107			(a)
18	RING, CLOSING	2	76-40-10D	STRIP	STEEL, HOT-ROLLED, PICKLED			ND 1010 OR 1020 57-136			
19	RING, CLOSING, INSERT	2	76-40-10E	STRIP	TERNE-PLATE (LONG TERNE) TYPE I	CLASS A		QQ-T-191			
20	RING, RETAINER	1	76-40-9F	STRIP	STEEL, HOT-ROLLED, PICKLED			ND 1010 OR 1020 57-136			
21	RING, RETAINER (ALTERNATIVE)		76-40-9G	STRIP	STEEL, HOT-ROLLED, PICKLED			ND 1010 OR 1020 57-136			
22	SHELL	2	76-40-8C	SHEET	STEEL, HOT-ROLLED, PICKLED			ND 1010 OR 1020 57-136			
23	WASHER, LOCK	4	76-40-7C	5/16 STD	STEEL			COMMERCIAL			(a)
24	WIRE, REINFORCING	2	76-40-8B	WIRE	IRON OF STEEL, COATED			ND 1010 OR 1020 48-5			
25					ENAMEL, OLIVE DRAB, RUST-INHIBITING	TYPE I OR II		3-181			(C)
26											
27					SEALING COMPOUND			COMMERCIAL			

(a) PROTECTIVE FINISH - TYPE I, CLASS TS, RS OR RSC, SPEC. 57-0-2.
(b) ANVIL: TO BE MADE WITH GRS SYNTHETIC RUBBER SPONGE CORD SPLICED ENDLESS WITH A SMOOTH, EVEN STRONG SPLICE. RUBBER TO HAVE SNAP END, BE FREE OF BLOW HOLES, AND BE FINISHED WITH A MOLDED SKIN COAT.
(c) CLEAN ALL SURFACES IN ACCORDANCE WITH GRADE I, SPEC. AXS-1245 FOLLOWED BY ONE COAT OF RUST-INHIBITIVE OLIVE DRAB ENAMEL, TYPE I OR II, SPEC. 3-181.

LIST OF SPECIFICATIONS

LINE NO.	SPEC. NUMBER	REQUIRED BY
1	AMMUNITION, EXCEPT SMALL ARMS AMM., GENERAL SPEC. FOR	50-0-1 DRG. 76-40-7
2	CLEANING AND PREPARATION OF METAL SURFACES, ETC.	AXS-1245 DRG. 76-40-7
3	ENAMEL, OLIVE DRAB, RUST-INHIBITING	3-181 DRG. 76-40-9
4		
5	FINISHES, PROTECTIVE, FOR IRON AND STEEL PARTS	57-0-2 DRG. 76-40-1
6		
7	METALS, GENERAL SPECIFICATION FOR INSPECTION OF	QQ-M-151 57-136
8	PAINTS AND RELATED MATERIALS, GENERAL SPEC. FOR INSP. ETC.	3-1 3-181
9		
10	STEEL, CARBON AND ALLOY, BARS	57-107 DRG. 76-40-7
11	STEEL, CARBON AND ALLOY, SHEETS AND STRIPS	57-136 DRG. 76-40-9
12		
13	TERNE-PLATE (LONG TERNE)	QQ-T-191 DRG. 76-40-1
14		

* THE SPECIFICATION NUMBERS SHOWN ARE BASIC NUMBERS ONLY. WHEN A SPECIFICATION IS REVISED, A LETTER IS AFFIXED TO ITS BASIC NUMBER. SPECIFICATIONS REFERRED TO IN THESE SPECIFICATIONS AND NOT LISTED HEREON, SHALL NOT APPLY.

LIST OF DRAWINGS

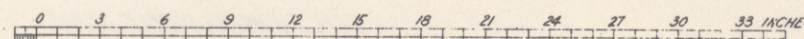
LINE NO.	DRAWING NUMBER
1	ASSEMBLY 76-40-7
2	DETAILS 76-40-8
3	DETAILS 76-40-9
4	DETAILS 76-40-10
5	
6	PACKING AND MARKING OF DRUM 50-1-550
7	SUPPORT ASSEMBLY 76-40-5

THIS ASSEMBLY FOR USE IN PACKING ONE OF THE FOLLOWING BOMB CLUSTERS WITH SUPPORT ASSEMBLY -

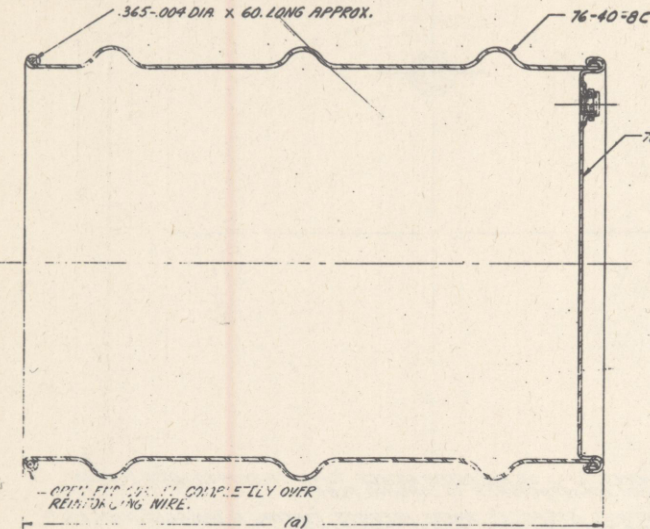
1-CLUSTER, FRAG. BOMB, 74E4 (500LB. SIZE) OF 20-BOMBS, FRAG., 20LB., M-41, OR 20-BOMBS, FRAG., 20LB., M-42, OR 20-BOMBS, FRAG., 20LB., M-48.

DRUM, STEEL, PACKING, FOR FRAG. BOMB CLUSTER, 74E4 (500LB. SIZE) ASSEMBLY.

APPROVED 13 845		CLASS	DIVISION	DRAWING	FILE
REVISIONS		76	40	7	
SYMBOL					
DTPMAN 8 9 10 CHECKER 8 9 10 ENGINEER 8 9 10 DRG. PERTAINS TO 8 9 10 SUBMITTED: 8 9 10 EXAMINED: 8 9 10 APPROVED BY ORDER OF THE CHIEF OF ORDNANCE: 8 9 10 COL. ORDN. DEPT. U. S. A.					
ORDNANCE DEPT. U. S. A.					

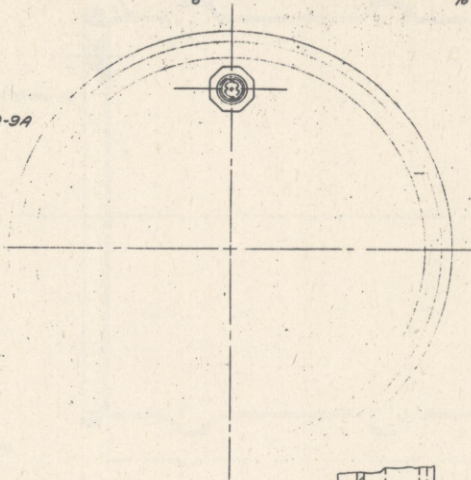


WIRE, REINFORCING 76-40-8B
WIRE, STEEL, NO. 10 OR 12, COLD-DRAWN, TYPE 3, COATED
.365-.004 DIA. X 60. LONG APPROX.

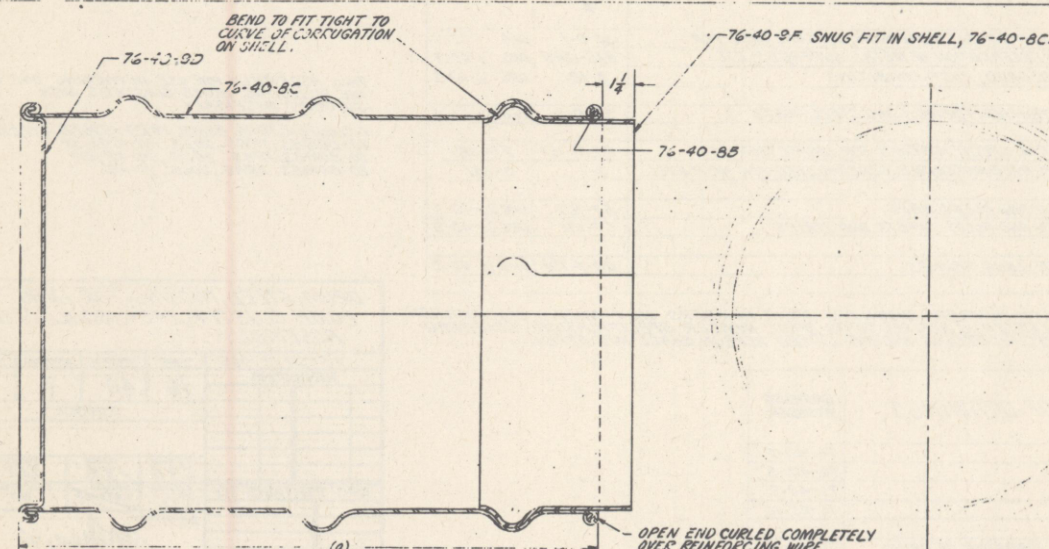


HEAD ASSEMBLY 76-40-8A
CONTAINER TO BE FURNISHED BY MANUFACTURER WITH END CRIMPED IN PLACE
AND REINFORCING WIRE SECURED AS SHOWN. MUST MEET AIR PRESSURE
TEST PRESCRIBED FOR DRUM ASSEMBLY, 76-40-7A

NOTE:-
(a) THESE DIMENSIONS MAY VARY TO SUIT MANUFACTURER'S
METHOD OF OBTAINING DOUBLE SEAM SHOWN, AND TO COMPLY
WITH THE FOLLOWING DIMENSIONS ON THE SEALED DRUM:-
INSIDE LENGTH = 57 1/2 MIN. OUTSIDE OVERALL LENGTH = 59 1/2 MIN.

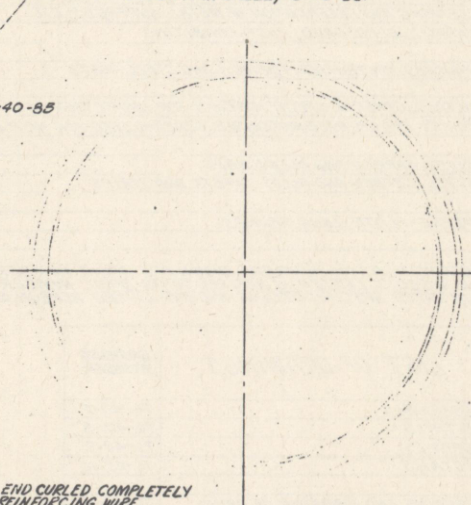


VIEW SHOWING DOUBLE SEAM
SCALE = 1/4

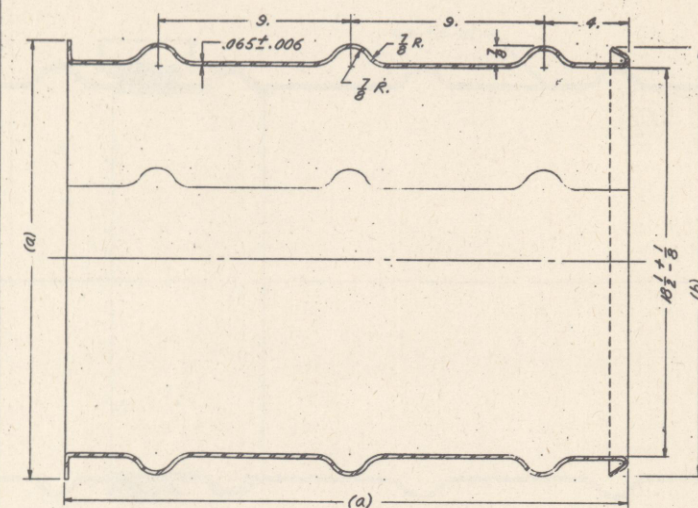


FOOT ASSEMBLY 76-40-8D
CONTAINER TO BE FURNISHED BY MANUFACTURER WITH END CRIMPED IN PLACE
AND REINFORCING WIRE AND RETAINING RING SECURED AS SHOWN. MUST MEET
AIR PRESSURE TEST PRESCRIBED FOR DRUM ASSEMBLY, 76-40-7A

76-40-8F SNUG FIT IN SHELL, 76-40-8C.



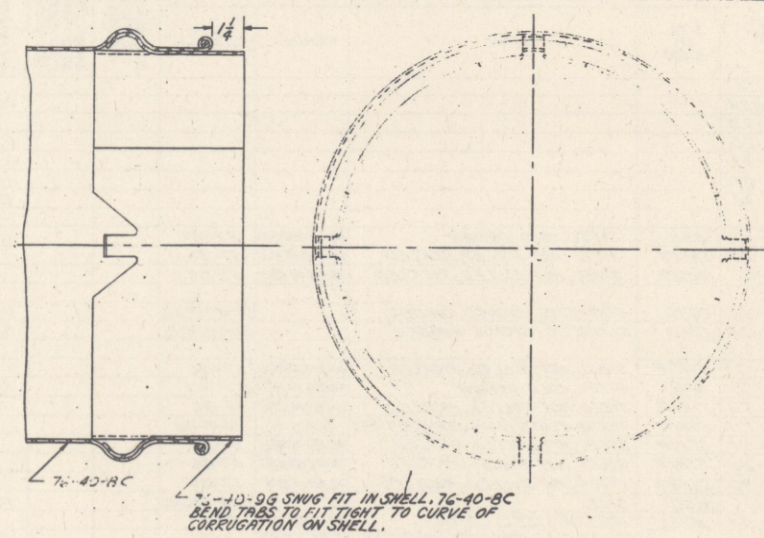
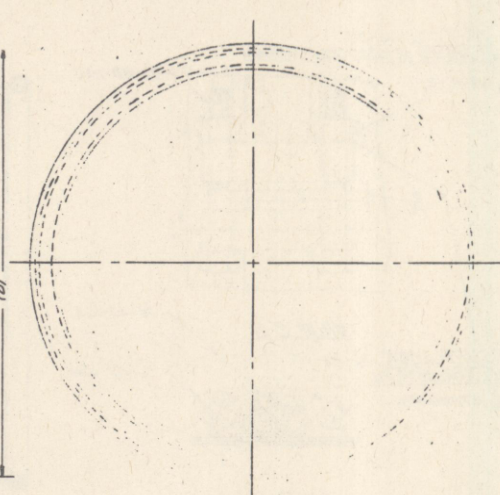
VIEW SHOWING DOUBLE SEAM
SCALE = 1/4



SHELL 76-40-8C
STEEL, NO. 10 OR NO. 12, HOT-ROLLED,
PICKLED.

SIDE SEAM TO BE BUTT WELDED THEN
DRESSED TO A SMOOTH SURFACE INSIDE
AND OUT.

NOTE:-
(b) THIS DIMENSION MAY VARY WITH
MANUFACTURER'S METHOD OF SECURING
THE REINFORCING WIRE.



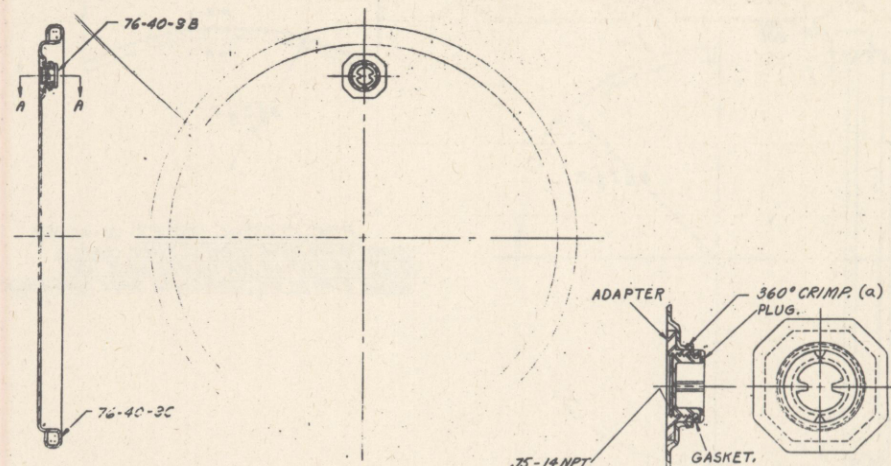
76-40-8G SNUG FIT IN SHELL, 76-40-8C
BEND TABS TO FIT TIGHT TO CURVE OF
CORRUGATION ON SHELL.

FOOT ASSEMBLY 76-40-8E
(ALTERNATIVE)

FOR PROTECTIVE FINISHES, SEE DRG. 76-40-7
REMOVE ALL BURRS.

SCALE, INCHES, 3/4

DRUM, STEEL, PACKING, FOR FRAG. BOMB CLUSTER, T4E4, (500LB. SIZE), DETAILS.			
MARCH 13, 1945			
REVISIONS	CLASS	DIVISION	DRAWING
	76	40	8
SYMBOL			
OFFMAN	TRACER	ENGINEER	
5475	8913	211	
DRG. PERTAINS TO	CHECKER	CHIEF OFFMAN	
76-45-7	8913	117 T.	
SUBMITTED:			
A. H. Harnes			
EST. LT. COL. ORG. DEPT. U. S. A.			
EXAMINED:			
A. H. Harnes			
ORD. DEPT. U. S. A.			
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:			
William H. King			
COL. ORG. DEPT. U. S. A.			
ORDNANCE DEPT. U. S. A.			

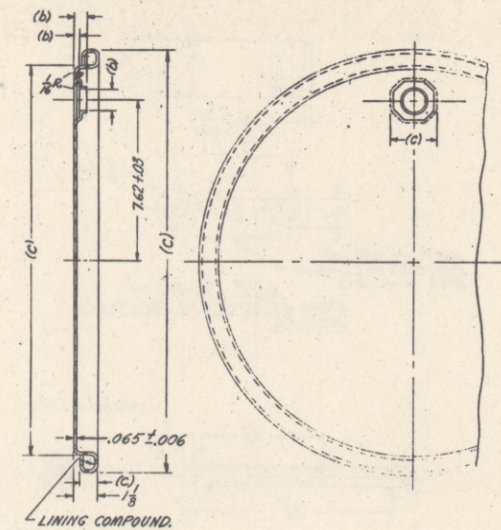


HEAD END ASSEMBLY 76-40-9A

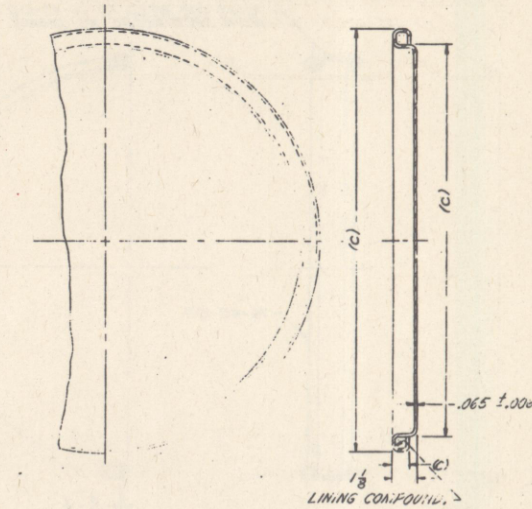
CLOSURE ASSEMBLY 76-40-9B
COMMERCIAL

AMERICAN FLANGE MANUFACTURING
COMPANY "TRI-SURE" CLOSURE OR EQUAL.

NOTE:-
(a) MUST MEET AIR PRESSURE TEST
PRESCRIBED FOR DRUM ASSEMBLY
76-40-7A.

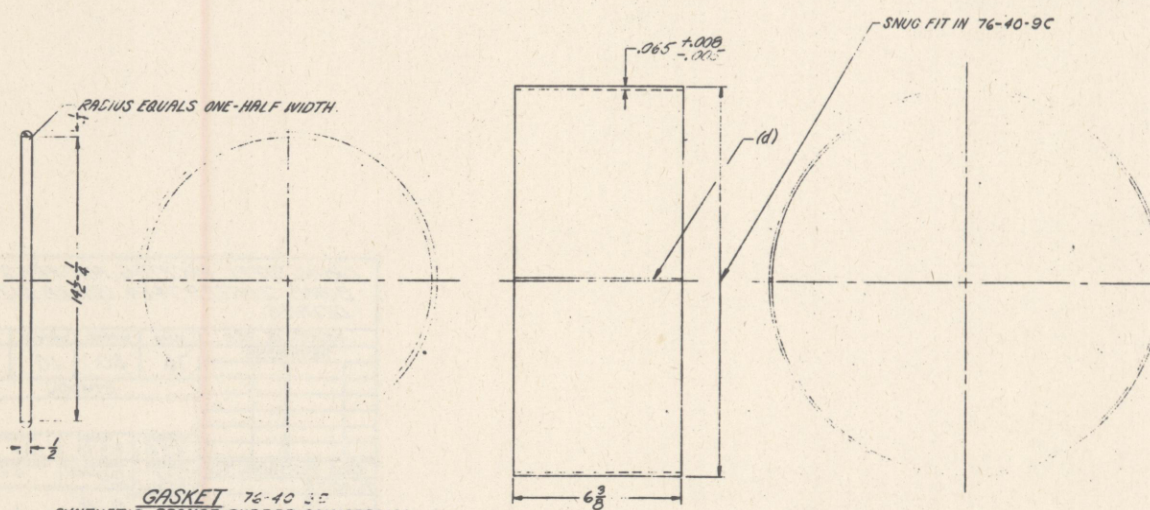


END HEAD 76-40-9C
STEEL, MD 1010 OR 1020, HOT-ROLLED, PICKLED.

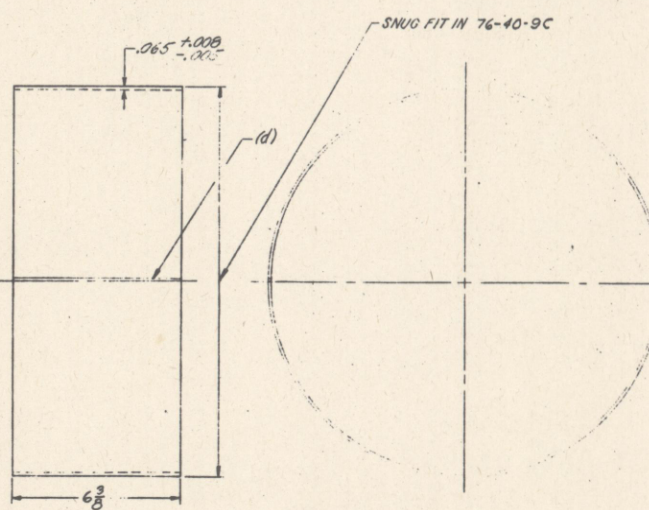


END FOOT 76-40-9D
STEEL, MD 1010 OR 1020, HOT-ROLLED, PICKLED.

NOTES:-
(b) THESE DIMENSIONS MAY VARY WITH MANUFACTURER'S METHOD OF ASSEMBLING CLOSURE
ADAPTER AND MEETING AIR PRESSURE TEST.
(c) THESE DIMENSIONS MAY VARY WITH MANUFACTURER'S METHOD OF OBTAINING DOUBLE SEAM.

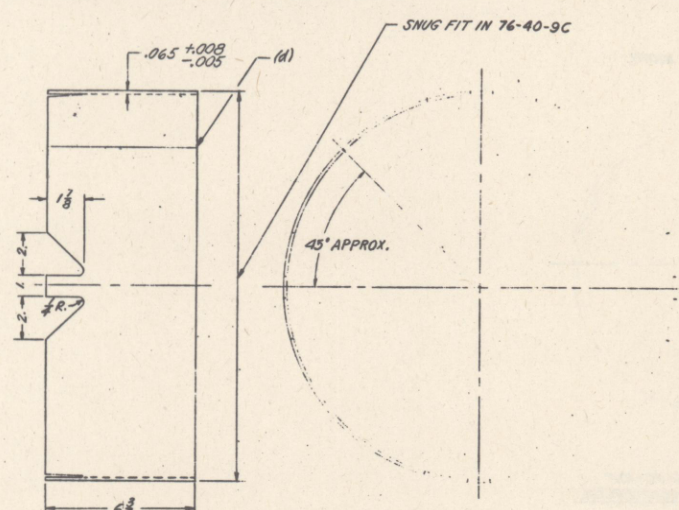


GASKET 76-40-9E
SYNTHETIC SPONGE RUBBER, COMMERCIAL



RING RETAINER 76-40-9F
STEEL, MD 1010 OR 1020, HOT-ROLLED, PICKLED.

(a) SIDE SEAM TO BE BUTT WELDED, THEN
DRESSED TO A SMOOTH SURFACE
INSIDE AND OUT.



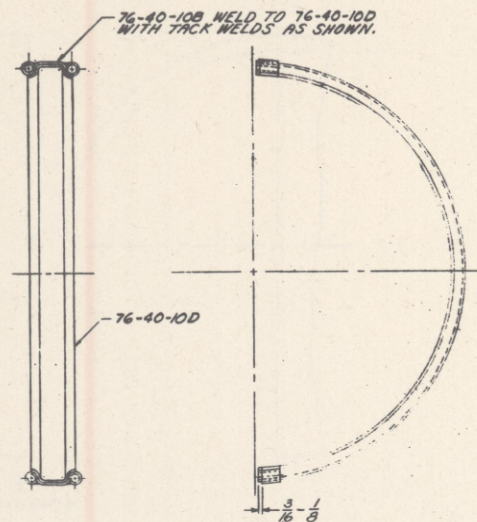
RING RETAINER (ALTERNATIVE) 76-40-9G
STEEL, MD 1010 OR 1020, HOT-ROLLED, PICKLED.

(a) SIDE SEAM TO BE BUTT WELDED, THEN DRESSED TO
A SMOOTH SURFACE INSIDE AND OUT.

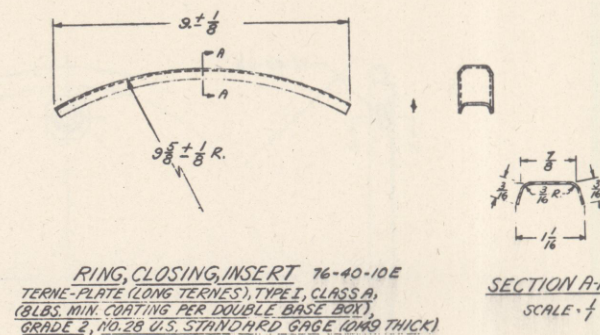
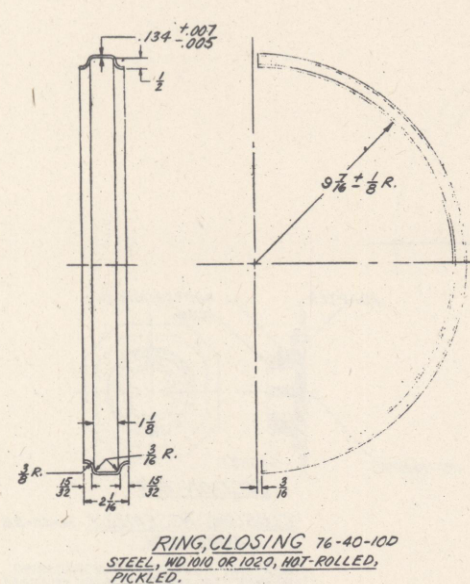
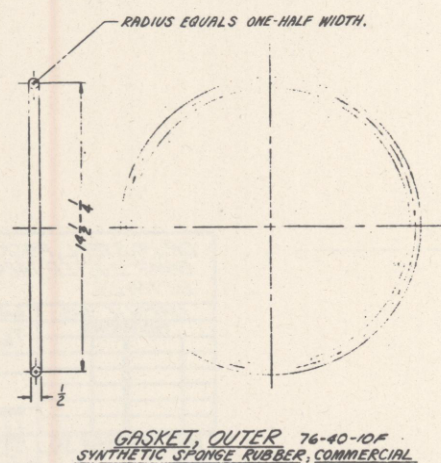
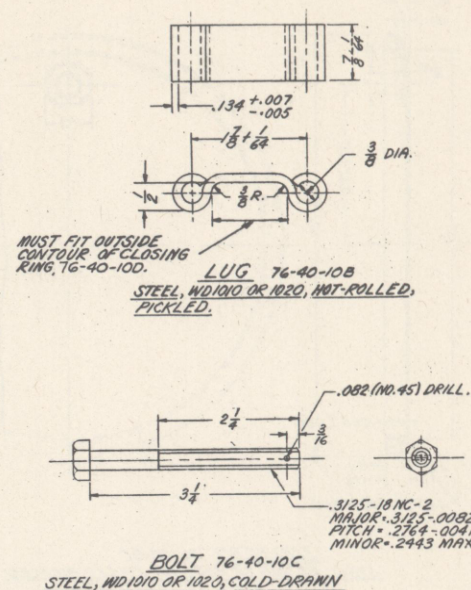
FOR PROTECTIVE FINISHES, SEE DRG. 76-40-7.
REMOVE ALL BURRS.

SCALE, INCHES, 1/3, 1/4

DRUM, STEEL, PACKING, FOR FRIG. BOMB CLUSTER, T4E4, (500-B SIZE) DETAILS.				
MARCH 13, 1945				
REVISIONS	CLASS	DIVISION	DRAWING	FILE
	76	40	9	
SYMBOL				
OFFICER	TRACER	ENGINEER		
BY R.	BY R.	BY R.		
CHECKER	CHECKER	CHECKER		
76-40-7	76-40-7	76-40-7		
DRG. PERTAINS TO				
76-40-7				
SUBMITTED				
EXAMINED				
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE				
ORDNANCE DEPT. U. S. A.				



CLOSING RING ASSEMBLY 76-40-10A



FOR PROTECTIVE FINISHES SEE DRG. 76-40-7.
REMOVE ALL BURRS.

SCALE, INCHES - 1 1/2, 1/2, 1/4

DRUM, STEEL, PACKING, FOR FRAG. BOMB CLUSTER, T4E4, (500LB. SIZE.) DETAILS.			
MARCH 13, 1945			
CLASS	DIVISION	DRAWING	FILE
76	40	10	
SYMBOL			
OFFMAN	TRACER	ENGINEER	
8.9.15	8.9.15	OK	
CHECKER	CHECKER	CHIEF OFFMAN	
(R.D.)	(R.D.)	AT	
DRG. PERTAINS TO			
76-40-7			
SUBMITTED:			
OK			
EXAMINED:			
OK			
APPROVED BY ORDER OF THE CHIEF OF ORDNANCE:			
OK			
COL., ORDN. DEPT. U. S. A.			
ORDNANCE DEPT. U. S. A.			